



TOOLS



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# Vaughan & Bushnell Manufacturing Co.

Makers of

## FINE TOOLS

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### Catalogue No. 24

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**T**HIS catalogue makes all previous issues void. All list prices in any of our other catalogues are hereby cancelled. In ordering, kindly use our numbers and descriptions. Prices are subject to change without notice.

All claims for allowance must be made *promptly* on receipt of goods. Remittances must be made in par funds in Chicago or New York.

We will gladly replace, if returned to us, any tool stamped with our name, that may prove defective either in material or workmanship.

Every article we manufacture is closely inspected and severely tested before leaving our factory. We have a thoroughly trained organization and all questions of shop practice receive the personal attention of the officers of this Company.

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*Established 1869*

*Incorporated 1882*

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*Cable Address, Vaunbush — Chicago  
Western Union Code*

**CHICAGO, ILLINOIS, U. S. A.  
2114 Carroll Avenue**

**Sales Offices and Warehouses: New York City and Boston, Mass.**

## Vaughan's Expansion Wedge

**T**HE positive wedging of the hammer and hatchet handle to the head was a problem which apparently defied a practical solution until the advent of Vaughan's Expansion Wedge. This wedge completely solves the problem.

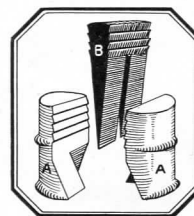


Pat. Dec. 6, 1921—  
Oct. 17, 1922

It consists of three parts, two pins and a tapered wedge. In assembling, a hole is drilled into the end of the handle. This hole has a smaller diameter at the bottom than at the top. The two pins are inserted into the hole and the wedge driven between them. The wedge being tapered, spreads the pins at the bottom of the hole as well as their full length. This binds the wood firmly

against the entire sides of the eye of the hammer.

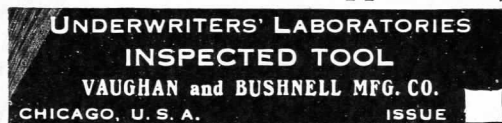
Ordinary wedges work loose eventually and cannot be reset so they will stay tight. The VAUGHAN'S EXPANSION WEDGE can be easily reset. If the handle shows any tendency to become loose, it may be re-tightened by setting the wedge a notch or two deeper. The wedge assures an absolutely tight handle at all times.



Pat. Dec. 6, 1921—  
Oct. 17, 1922

### V & B Hammers and Hatchets are Tested and Approved by the Underwriters Laboratories, Inc.

*The Underwriters' Laboratories was incorporated in 1901 for the protection of the public, the building of higher standards of merchandise and the maintenance of those standards. Its work is directed toward the prevention of accidents.*



*The use of this label is restricted to such articles as are found to conform in all essentials to the standards established.*

### How the Underwriters' Laboratories Tested V & B Hammers and Hatchets

Three samples were subjected to a vibrating and impact test on a vibrating machine by raising and lowering the handle, permitting the tool to strike against a steel bar. This operation was continued for ten days at the rate of 40 strokes a minute. **Result: No apparent objectionable effects noted.**

Three of the tools were immersed in water and allowed to remain for one month. Other tools were placed in an electric furnace and heated to 100 degrees F. for 24 hours. Two other tools were heated for five hours to 200 degrees F. Other tools were left in a damp room for a period of about two months. After these soaking and drying tests, the tools were subjected to the impact and vibration test. **Results: No apparent effects noticeable.**

The faces of the tools were tested for hardness by the Brinell testing machine and the scleroscope. The claws were struck with a hammer and were bounded off a steel block to determine their resiliency. The tools were mounted in the Olsen machine to determine the strength provided by the Vaughan's Expansion Wedge as compared to the ordinary wedges. **It took 900 lbs. more to pull the handle through the head with Vaughan's Expansion Wedge.**

Examinations of the tools indicated that there were no flaws or faulty construction in any of the tools inspected. The analysis showed a refined grade of steel. Factory methods show that uniform metal products can be assured. Every tool is examined and tested for flaws and defects at the factory.



## V & B Vanadium Hammers

With Vaughan's Patented Expansion Wedge and Underwriters' Laboratories Label

PATENTED DEC. 6, 1921—OCT. 17, 1922

### A Tool of Distinctive Quality

V & B Vanadium Hammers are the final accomplishment of fifty-five years of quality tool manufacture.

Made from special V & B formula vanadium steel, handled with the finest hand-shaved second growth white hickory, and individually inspected—they are uniquely superior.

The octagon neck and round faced pattern are neat and practical, and the special non-slip claw firmly grips either a brad or a spike.

The wax hole is an additional patented feature, especially appreciated by those who work with hard wood.

The patented Vaughan's Expansion Wedge, with which this hammer is equipped, firmly locks the handle tight—and is absolutely positive insurance of a tight head at all times.

A special shaped handle, and carefully designed head gives a hammer of minimum vibration and nice balance—and a tool of particular merit.



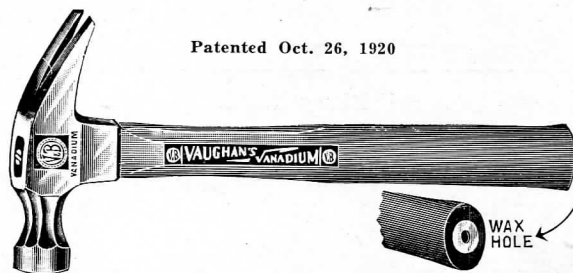
Patented Oct. 26, 1920

### Vanadium Nail Hammer

Full Polished, Octagon Neck  
Round Face, Hand Shaved Handle

No.	Weight, ozs.	Length ins.	Wgt., lbs., per doz.	Each
41	20	14	22	\$2.50
41½	16	13	18	2.50
42	13	13	15	2.50
42½	10	12½	12	2.50

Packed in individual cartons.



Patented Oct. 26, 1920

### Vanadium Ripping Hammer

Full Polished, Octagon Neck  
Round Face, Hand Shaved Handle

No.	Weight, ozs.	Length ins.	Wgt., lbs., per doz.	Each
31	20	14	22	\$2.50
31½	16	13	18	2.50

Packed in individual cartons.



Patented Oct. 9, 1917

### 999 Tradesman's Hammer

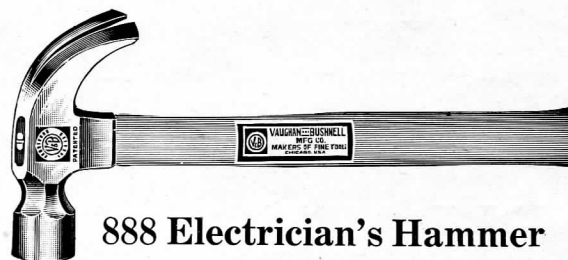
Full Polished  
White Hickory Handles

Designed for Steam Fitters, Plumbers, Electricians, Millwrights, Cement Workers and heavy carpenter work. Especially adapted for portable Tool Chests.

No.	Weight, ozs.	Length ins.	Wgt., lbs., per doz.	Each
999	20	14	23	\$2.50

Packed six in a box.

Six dozen in a case.



### 888 Electrician's Hammer

Full Polished  
White Hickory Handles

Designed for the Electrician or Carpenter who demands a heavy nail hammer. This hammer is especially adapted for use on drills and heavy duty work.

No.	Weight, ozs.	Length ins.	Wgt., lbs., per doz.	Each
888	20	14	23	\$2.50

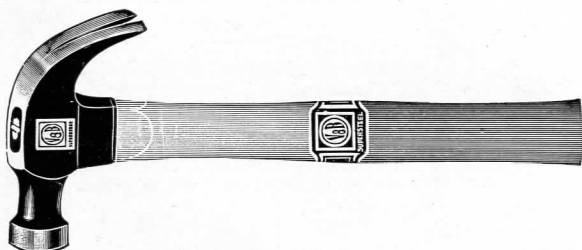
Packed six in a box.

Six dozen in a case.

## V & B Nail Hammers

Trade Mark Deep Etched in Gold and Equipped with Vaughan's Patented Expansion Wedge and Underwriters' Laboratories Label

PATENTED DEC. 6, 1921—OCT. 17, 1922.



### Bell Face Nail Hammer

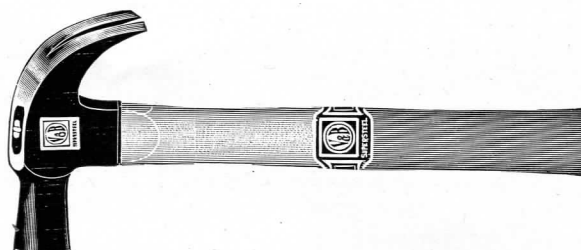
Ebony Finish

Two-Tone Hickory Handle

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
811	20	14	21½	\$2.10
811½	16	13	18½	2.00
812	13	13	14½	1.90
813	7	12	9½	1.80

Packed six in a box.

Six dozen in a case.



### Plain Face Nail Hammer

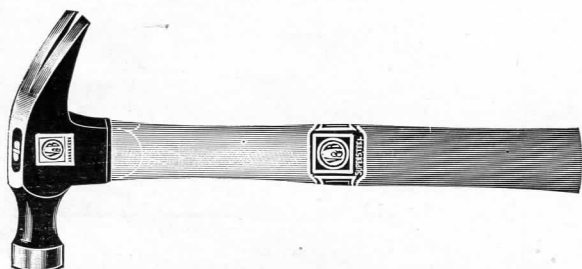
Ebony Finish

Two-Tone Hickory Handle

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
801	20	14	21½	\$2.10
801½	16	13	18½	2.00

Packed six in a box.

Six dozen in a case.



### Bell Face Ripping Hammer

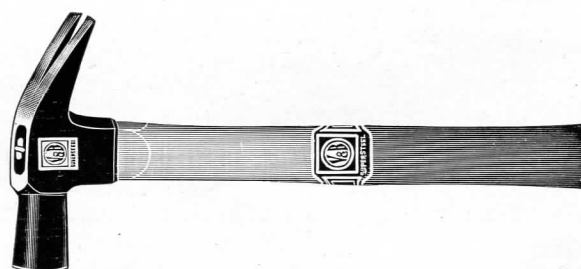
Ebony Finish

Two-Tone Hickory Handle

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
811	20	14	21½	\$2.10
811½	16	13	18½	2.00

Packed six in a box.

Six dozen in a case.



### Plain Face Ripping Hammer

Ebony Finish

Two-Tone Hickory Handle

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
801	20	14	21½	\$2.10
801½	16	13	18½	2.00

Packed six in a box.

Six dozen in a case.

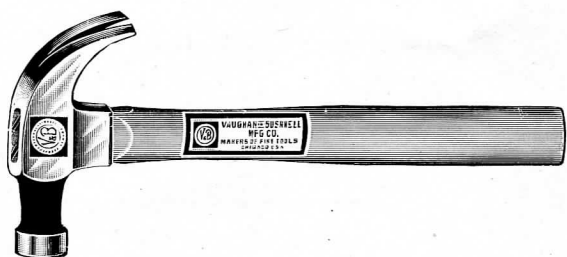
Weight ounces does not include handles.



## V & B Nail Hammers

Extra Refined Steel—Drop Forged—Tempered Faces and Claws

All V. & B. Nail Hammers have our Non-Slip Claw. They will firmly grip any size nail from brad to spike. The eyes are forged smaller toward the center than at the ends which binds the handle firmly. The sides are crowning and will not dent the wood when matching flooring or wainscoting.



### Bell Face Pattern

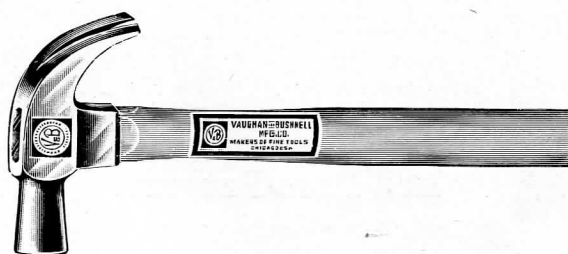
Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
10	24	14	25	\$2.50
11	20	14	21½	2.10
11½	16	13	18½	2.00
12	13	13	14½	1.90
12½	10	12½	12	1.85
13	7	12	9½	1.80
14	5	11	6	1.75

Packed six in a box.

Six dozen in a case.



### Plain Face Pattern

Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	28	14	28	\$2.80
0½	24	14	25	2.50
1	20	14	21½	2.10
1½	16	13	18½	2.00
2	13	13	14½	1.90
3	7	12	9½	1.80

Packed six in a box.

Six dozen in a case.



### Ripping Hammer

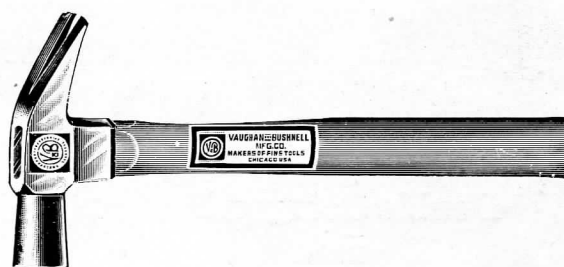
Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
11	20	14	21½	\$2.10
11½	16	13	18½	2.00
12	13	13	14½	1.90

Packed six in a box.

Six dozen in a case.



### Ripping Hammer

Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
1	20	14	21½	\$2.10
1½	16	13	18½	2.00

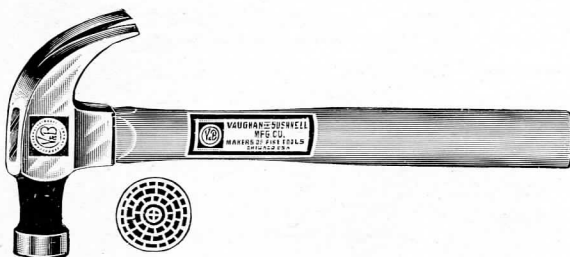
Packed six in a box.

Six dozen in a case.

Weight ounces does not include handles.

## V & B Nail Hammers

Extra Refined Steel—Drop Forged—Tempered Faces and Claws



### Bell Face Pattern

Polished

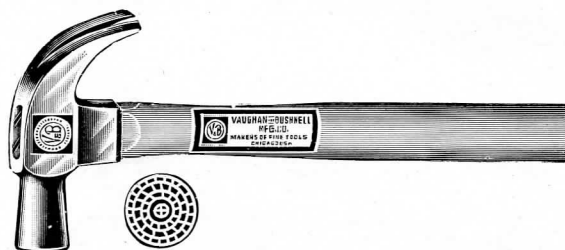
White Hickory Handles

These Hammers have concentric milling on the face. They are recommended for use in packing departments.

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
211	20	14	21½	\$2.35
211½	16	13	18½	2.25

Packed six in a box.

Six dozen in a case.



### Plain Face Pattern

Polished

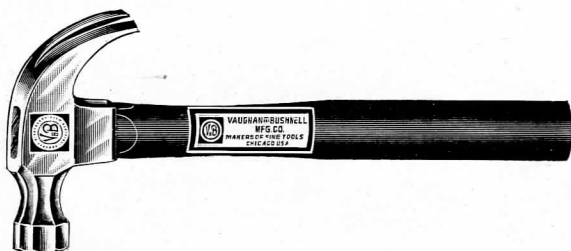
White Hickory Handles

These Hammers have concentric milling on the face. They are recommended for use in packing departments.

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
200	28	14	28	\$3.00
201	20	14	21½	2.35
201½	16	13	18½	2.25

Packed six in a box.

Six dozen in a case.



### Double Octagon Pattern

Nickel Plated

Ebonized Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
501N	21	14	22	\$3.10
501½N	17	13	19	3.00
502N	14	13	15	2.90

Packed six in a box.

Six dozen in a case.



### Double Octagon Pattern

Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
01	21	14	22	\$2.35
01½	17	13	19	2.25
02	14	13	15	2.15

Packed six in a box.

Six dozen in a case.

Weight ounces does not include handles.



## Garden City Nail Hammers

Forged Steel and Tempered—A Serviceable Hammer at a Moderate Price.



### Bell Face Pattern

Polished Finish—Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
111	20	14	21½	\$1.60
111½	16	13	18½	1.50
112	13	13	14½	1.40
113	7	12	9½	1.30

Packed six in a box.

Six dozen in a case.



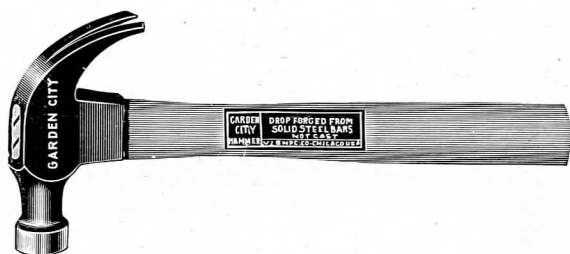
### Plain Face Pattern

Polished Finish—Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
101	20	14	21½	\$1.60
101½	16	13	18½	1.50
102	13	13	14½	1.40

Packed six in a box.

Six dozen in a case.



### Bell Face Pattern

Forged Finish  
Walnut Stained Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
111B	20	14	21½	\$1.35
111½B	16	13	18½	1.25
112B	13	13	14½	1.15
113B	7	12	9½	1.05

Packed six in a box.

Six dozen in a case.



### Plain Face Pattern

Forged Finish  
Walnut Stained Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
101B	20	14	21½	\$1.35
101½B	16	13	18½	1.25
102B	13	13	14½	1.15

Packed six in a box.

Six dozen in a case.

Weight ounces does not include handles.

## V & B Ball Pein Hammers

Extra Refined Steel—Drop Forged—Hardened Faces and Peins

These Hammers are individually tempered and tested. They are the best that can be produced.



### V. & B. Brand

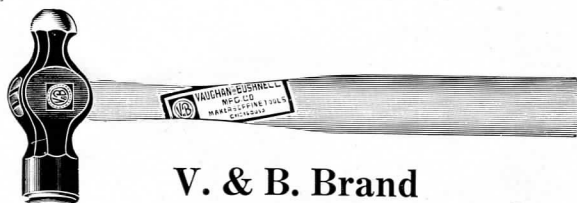
Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
7/0	2	10 1/4	3 1/4	\$1.40
5/0	4	11	5 1/2	1.40
4/0	6	12	7 1/4	1.40
3/0	8	13	10 1/2	1.40
2/0	12	14	14	1.40
0	16	14	16	1.50
1	20	15	21	1.65
2	24	16	24	1.80
3	28	17	28	1.95
4	32	17	30	2.10
6	40	17 1/2	36	2.50
8	48	17 1/2	43 1/2	3.00

Packed four in a box.

Six dozen in a case.



### V. & B. Brand

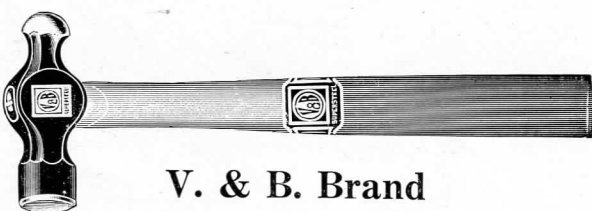
Black Finish, Polished Face and Pein

Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
7/0B	2	10 1/4	3 1/4	\$1.40
5/0B	4	11	5 1/2	1.40
4/0B	6	12	7 1/4	1.40
3/0B	8	13	10 1/2	1.40
2/0B	12	14	14	1.40
0 B	16	14	16	1.50
1 B	20	15	21	1.65
2 B	24	16	24	1.80
3 B	28	17	28	1.95
4 B	32	17	30	2.10
6 B	40	17 1/2	36	2.50
8 B	48	17 1/2	43 1/2	3.00

Packed four in a box.

Six dozen in a case.



### V. & B. Brand

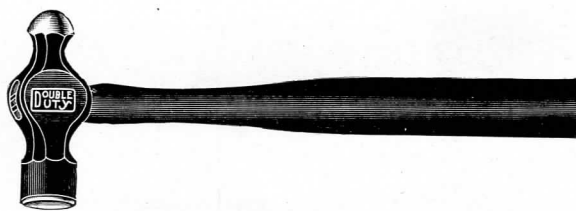
Ebony Finish

Two-Tone Hickory Handle

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
3/0	8	13	10 1/2	\$1.40
2/0	12	14	14	1.40
0	16	14	16	1.50
1	20	15	21	1.65
2	24	16	24	1.80
3	28	17	28	1.95
4	32	17	30	2.10

Packed four in a box.

Six dozen in a case.



### Double Duty Automobile Hammer

Black Sides, Polished Face and Pein

Black Stained Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
20	12	11	13	\$1.00
30	8	11	10	1.00

Packed six in a box.

Six dozen in a case.

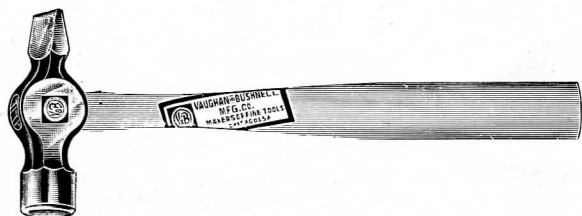
Weight ounces does not include handles.



# V & B Cross Pein, Straight Pein and Bricklayers' Hammers

Extra Refined Steel—Drop Forged—Hardened Faces and Peins

These Hammers are individually tempered and tested. They are the best that can be produced.



## Cross Pein Hammer

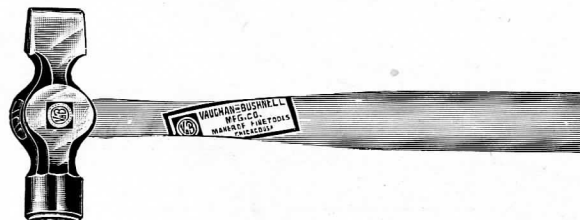
Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	16	14	16	\$1.50
1	20	15	21	1.65
2	24	16	24	1.80
3	28	17	28	1.95
4	32	17	30	2.10

Packed four in a box.

Six dozen in a case.



## Straight Pein Hammer

Polished

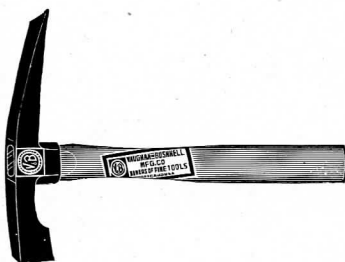
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	16	14	16	\$1.50
1	20	15	21	1.65
2	24	16	24	1.80
3	28	17	28	1.95
4	32	17	30	2.10

Packed four in a box.

Six dozen in a case.

V. & B. Bricklayers' Hammers and Scutches are of the adze eye pattern and have a tapered eye which assures a tight handle. They are designed so as to have a perfect balance and the face and chisel are tempered to give the maximum of service.



## Bricklayers' Hammer

Black Finish

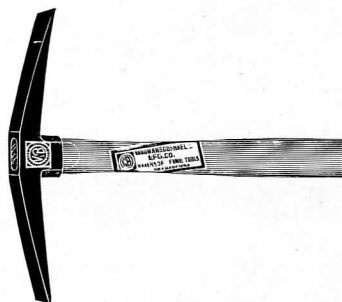
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	20	10½	20	\$1.85
1	26	11	25½	2.00
2	34	11	31½	2.15

This hammer is also furnished with loose handle so that the head may be redressed. If such is desired specify loose handles or otherwise handle will be shipped wedged.

Packed four in a box.

Six dozen in a case.



## Bricklayers' Scutch

Black Finish

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
10	24	11	24	\$2.00
12	32	11	31½	2.15

This scutch is also furnished with loose handle so that the head may be redressed. If such is desired specify loose handles or otherwise handle will be shipped wedged.

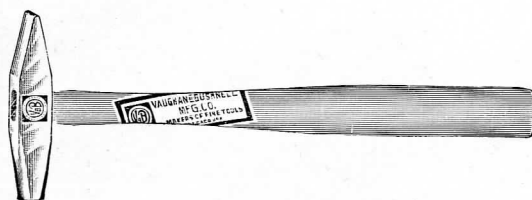
Packed four in a box.

Six dozen in a case.

Weight ounces does not include handles.

## V & B Hammers

Extra Refined Steel—Drop Forged—Hardened Faces and Peins



### Machinists' Riveting Hammer

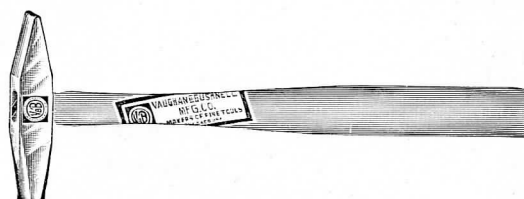
Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	4	11	6½	\$1.25
1	7	12	7½	1.30
2	9	13	9½	1.40
3	12	13	12	1.50
4	15	14	16	1.60
5	18	14	18½	1.75

Packed six in a box.

Six dozen in a case.



### Saw Setting Hammer

Polished

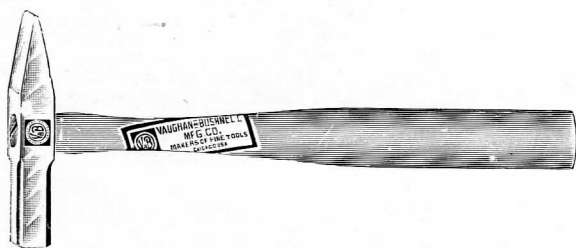
White Hickory Handles

This Hammer is the same design as our Riveting Hammer, but is made of a special steel adapted for this purpose.

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
1	7	12	7½	\$1.40

Packed six in a box.

Six dozen in a case.



### Tinnern's Riveting Hammer

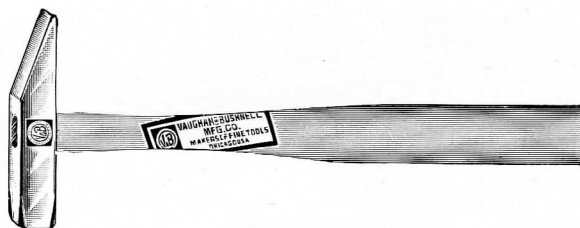
Polished

White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
1	8	13	11½	\$1.25
2	12	14	13½	1.35
3	16	15	15½	1.45

Packed six in a box.

Six dozen in a case.



### Tinnern's Paneing Hammer

Polished

White Hickory Handles

No.	Face	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
1	¾	8	13	10	\$1.25
2	7/8	12	14	13	1.35
3	1	16	15	18	1.45

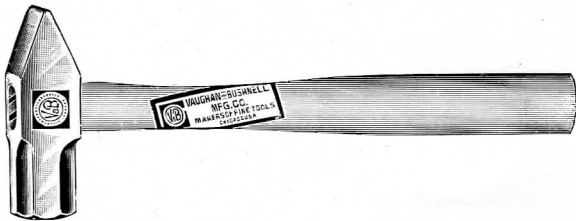
Packed six in a box.

Six dozen in a case.

Weight ounces does not include handles.

## V & B Hammers

Extra Refined Steel—Drop Forged—Hardened Faces and Peins



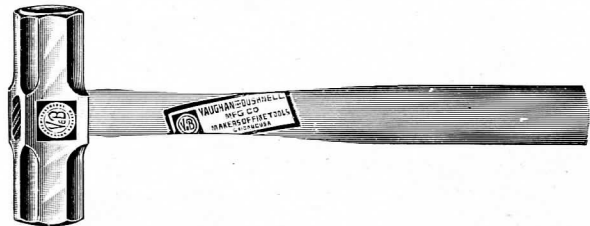
### Engineers' Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	18	14	18	\$1.75
1	26	15	23	1.90
2	32	16	28½	2.00
3	40	16	34	2.15
4	48	17	40	2.30

Packed four in a box.

Six dozen in a case.



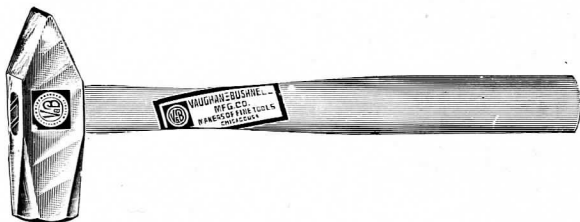
### Double Face Engineers' Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
2	38	16	32½	\$2.30
3	48	17	43	2.45

Packed four in a box.

Six dozen in a case.



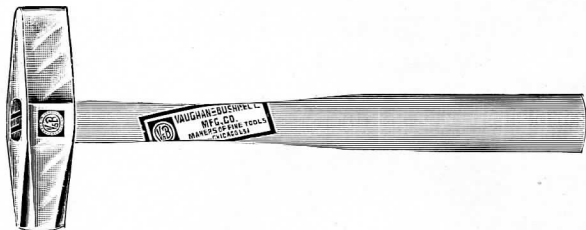
### Blacksmiths' Hand Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	26	15	22½	\$1.90
1	32	16	31	2.00
2	42	16	39	2.15
3	48	17	46	2.30
4	56	17	50	2.45

Packed four in a box.

Six dozen in a case.



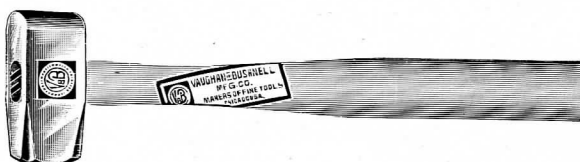
### Chipping Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
1	24	15	22	\$1.85
2	32	16	31	2.00
3	40	16	34	2.15

Packed four in a box.

Six dozen in a case.



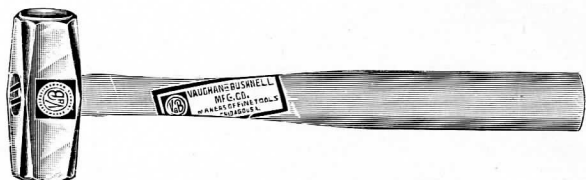
### Prospecting Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
2	28	15	30	\$2.40

Packed six in a box.

Six dozen in a case.



### Drill Sharpening Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	22	14	20	\$2.30

Packed six in a box.

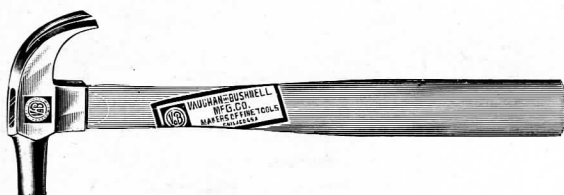
Six dozen in a case.

Weight ounces does not include handles.



## V & B Farriers' and Shoe Hammers

Extra Refined Steel—Drop Forged—Tempered Faces and Claws  
Made With Our Non-Slip Claw



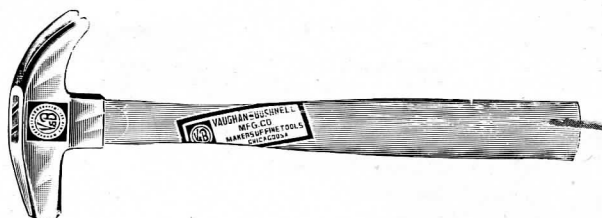
### Adze Eye Farriers' Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
7	7	13	8	\$1.70

Packed six in a box.

Six dozen in a case.



### Adze Eye Farriers' Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
10	10	13	11½	\$1.80
12	12	14	13½	1.90

Packed six in a box.

Six dozen in a case.



### Shoe Hammer

Polished  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
1	13	10	14	\$1.60

Packed six in a box.

Six dozen in a case.



### Farriers' Turning Hammer

Polished Heads, Black Body  
White Hickory Handles

No.	Weight, ozs.	Length, ins.	Wgt., lbs., per doz.	Each
0	36	15	33	\$3.50

Packed four in a box.

Six dozen in a case.

Weight ounces does not include handles.



## V & B Hatchets

**V & B** HATCHETS are DROP FORGED from bars of high grade steel. They are made of one piece, therefore, the same quality steel throughout; there is no soft section.

Subjected to special heat treatment and individually tempered, they have a cutting edge that remains keen.

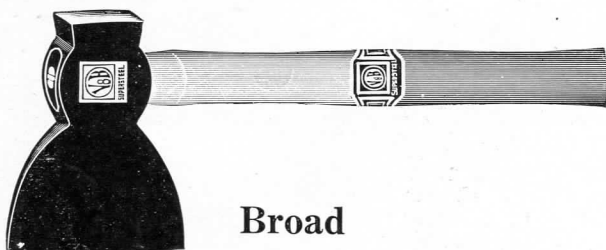
V & B Hatchets are equipped with second growth hickory handles so designed to fit the hand perfectly and the swell end prevents the tool from easily slipping out of the hand.

The Deep Etched Line is equipped with Vaughan's Patented Expansion Wedge, which enables the user to always maintain a tight handle, a feature very desirable in a hatchet. This line is also inspected and approved by the Underwriters Laboratories and carries their inspection label. They are the highest grade hatchets on the market.

## V & B Hatchets

Trade Mark Deep Etched in Gold and Equipped with Vaughan's Patented Expansion Wedge and Underwriters' Laboratories Label

PATENTED DEC. 6, 1921—OCT. 17, 1922

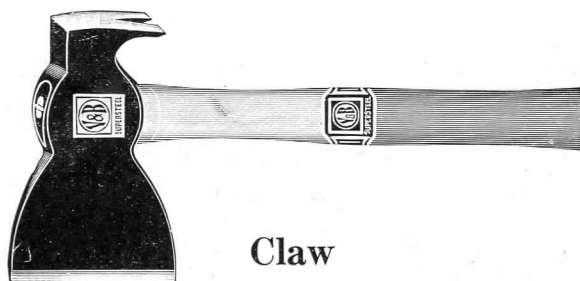


### Broad

Ebony Finish  
Two-Tone Hickory Handle

No.	Width of bit, ins.	Weight, ozs.	Each
E 1	4	24	\$2.30
E 2	4½	28	2.60
E 3	5	32	2.95
E 4	5½	40	3.15

*Packed six in a box.*

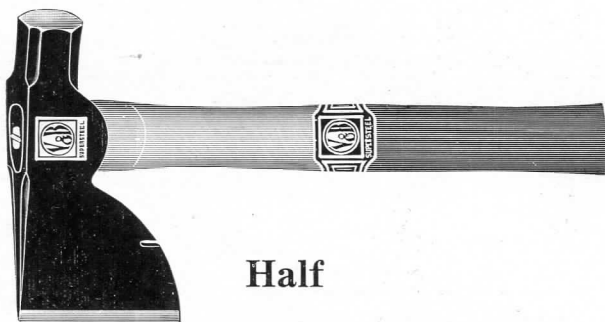


### Claw

Ebony Finish  
Two-Tone Hickory Handle

No.	Width of bit, ins.	Weight, ozs.	Each
E 1	3½	19	\$2.10
E 2	4	25	2.20

*Packed six in a box.*

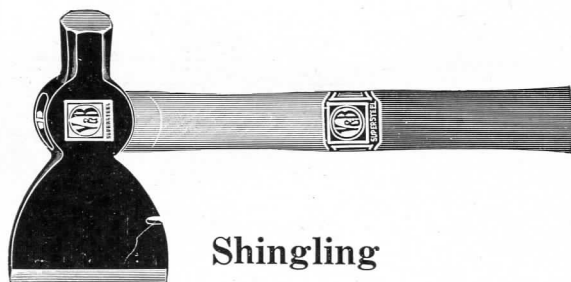


### Half

Ebony Finish  
Two-Tone Hickory Handle

No.	Width of bit, ins.	Weight, ozs.	Each
E 1	3¼	15	\$2.00
E 2	3⅝	22	2.10
E 3	4	27	2.20

*Packed six in a box.*



### Shingling

Ebony Finish  
Two-Tone Hickory Handle

No.	Width of bit, ins.	Weight, ozs.	Each
E 1	3½	17	\$1.90
E 2	4	23	2.00

*Packed six in a box.*

Weight ounces does not include handles.



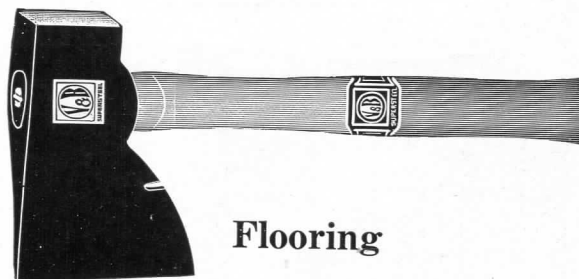
## V & B Hatchets

Trade Mark Deep Etched in Gold and Equipped with Vaughan's Patented Expansion Wedge and Underwriters' Laboratories Label

PATENTED DEC. 6, 1921—OCT. 17, 1922



**Lathing**



**Flooring**

Ebony Finish  
Two-Tone Hickory Handle

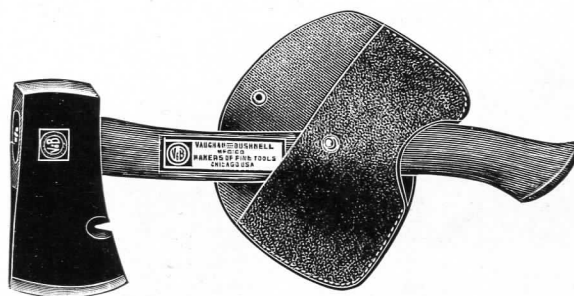
No.	Width of bit, ins.	Weight, ozs.	Each
E 1	2¼	14	\$1.90
E 2	2½	17	2.00

*Packed six in a box.*

Ebony Finish  
Two-Tone Hickory Handle

No.	Width of bit, ins.	Weight, ozs.	Each
E 1	3½	20	\$2.30
E 2	4	24	2.60

*Packed six in a box.*



## Camp Axe

Scout Pattern

Ebony Finish—Beveled Nail Slot  
Green Stained Hickory Handle

No.	Weight, ozs.	Price with leather sheath	Price without leather sheath
0	20	\$2.00	\$1.75

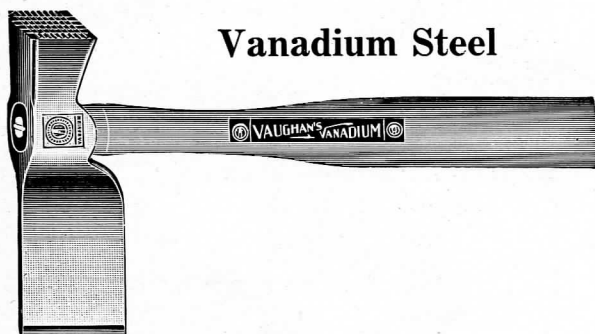
*Packed six in a box.*

Weight ounces does not include handles.

## V & B Hatchets

With Vaughan's Patented Expansion Wedge and  
Underwriters' Laboratories Label

PATENTED DEC. 6, 1921—OCT. 17, 1922



**Vanadium Steel**



**Vanadium Steel**

### Underhill Pattern Lathing

Polished Finish—Hickory Handle

No.	Weight, ozs.	Each
8 Row	10	\$3.70
9 Row	11	3.70
10 Row	12	3.70

*Packed six in a box.*

### Underhill Pattern Lathing

(California Pattern)

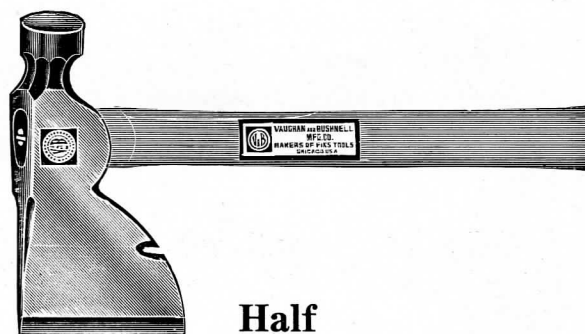
Polished Finish—Hickory Handle

No.	Weight, ozs.	Each
12 Row	11	\$3.70

*Packed six in a box.*



**Box Hatchet**



**Half**

Polished Finish—Hickory Handle

No.	Width of bit, ins.	Weight, ozs.	Each
1	2 1/8	12	\$3.00
2	2 1/4	16	3.00

*Packed six in a box.*

Polished Finish—Hickory Handle

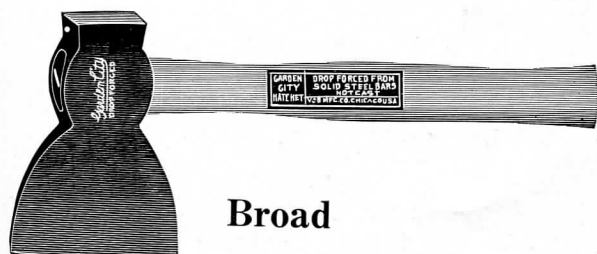
No.	Weight, ozs.	Each
62	22	\$2.90

*Packed six in a box.*

Weight ounces does not include handles.

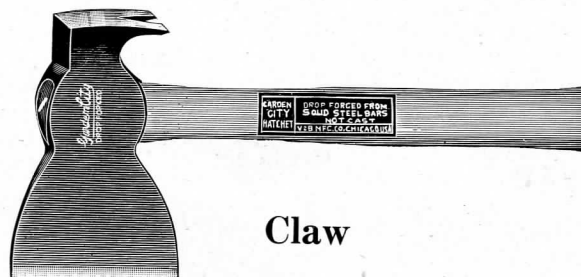
## Garden City Hatchets

Blued Finish—Hickory Handles



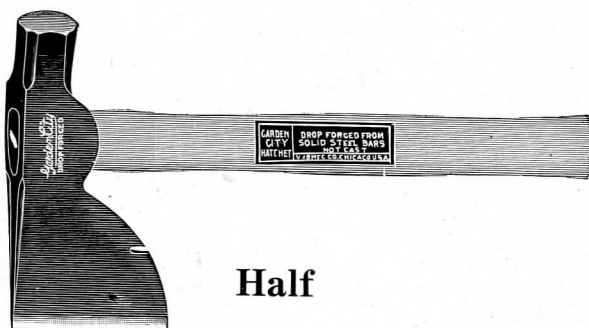
**Broad**

No.	Width of Bit, ins.	Weight, ozs.	Each
G 1	4	24	\$1.50
G 2	4½	28	1.75
G 3	5	32	2.00
G 4	5½	40	2.30



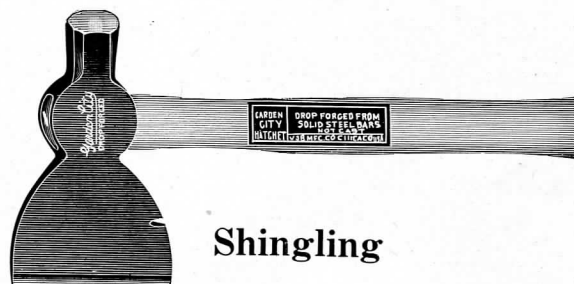
**Claw**

No.	Width of Bit, ins.	Weight, ozs.	Each
G 1	3½	19	\$1.40
G 2	4	25	1.50



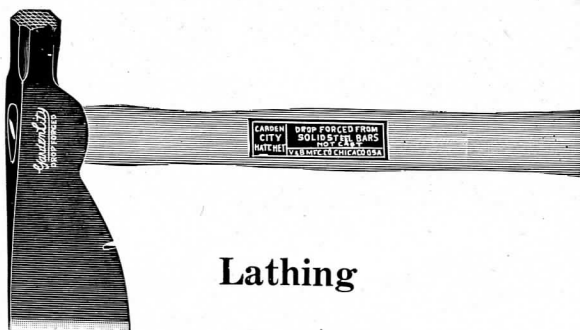
**Half**

No.	Width of Bit, ins.	Weight, ozs.	Each
G 1	3¼	15	\$1.30
G 2	3⅝	22	1.40
G 3	4	27	1.50



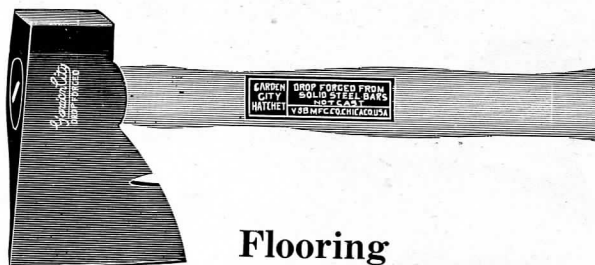
**Shingling**

No.	Width of Bit, ins.	Weight, ozs.	Each
G 1	3½	17	\$1.20
G 2	4	23	1.30



**Lathing**

No.	Width of Bit, ins.	Weight, ozs.	Each
G 1	2¼	14	\$1.20
G 2	2½	17	1.30



**Flooring**

No.	Width of Bit, ins.	Weight, ozs.	Each
G 1	3½	20	\$1.50
G 2	4	24	1.75

Packed six in a box.

Weight ounces does not include handles.



# Drop Forged Steel Planes



## Unbreakable!





## V & B Planes

**V & B** DROP FORGED STEEL PLANES—drop forged from a solid bar of V & B Supersteel—are the first unbreakable planes ever manufactured.

Drop forged from solid steel, rather than cast, they have the toughness to withstand a blow from a fall or other cause that would break a brittle cast plane.

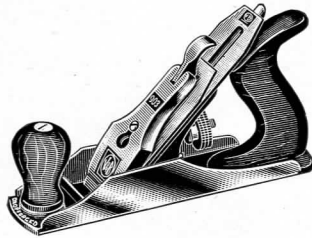
Because they are drop forged and made from the most excellent materials, they will outlast many ordinary planes.

On V & B Drop Forged Planes the frog is designed so as to fit solidly on the frog base, and is held in perfect alignment by fitting securely in guides formed in the bottom of the plane. This design keeps the frog in perfect alignment with the throat and allows for more accurate adjustment.

The Cutters in the V & B Drop Forged Unbreakable Steel Planes are manufactured from one solid piece of Special Analysis Vanadium Steel. There is no soft section to a V & B Plane Blade, and this enables it to be sharpened back a greater distance and also insures greater rigidity and less chatter when securely clamped down. Each blade is tested to cut wire. V & B Blades keep their fine cutting edge longer.

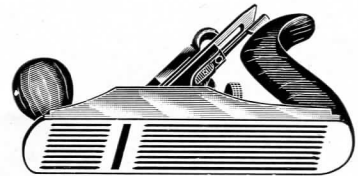
V & B Unbreakable Planes are finished distinctively and equipped with walnut handles and knobs. They are the latest development of a company that for over half a century have been the makers of fine tools.

## V & B Drop Forged Unbreakable Steel Planes



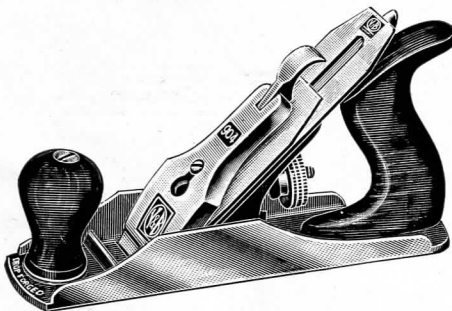
No.	Pattern	Length, ins.	Width of cutter	Wgt., each lbs.	Each
903	Smooth	8	1¾	3½	\$5.40

*Packed one in a box.*



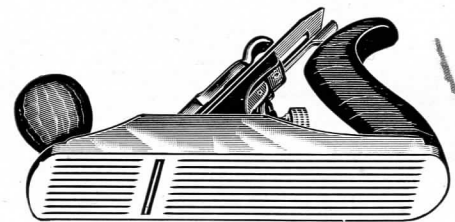
No.	Pattern	Length, ins.	Width of cutter	Wgt., each lbs.	Each
903C	Smooth	8	1¾	3½	\$5.60

*Packed one in a box.*



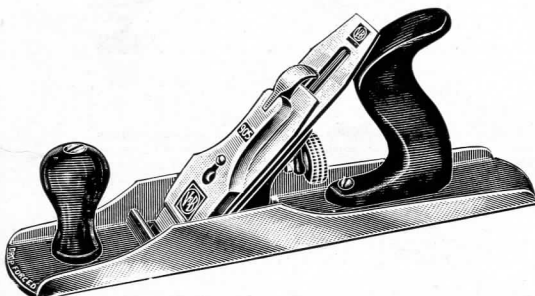
No.	Pattern	Length, ins.	Width of cutter	Wgt., each lbs.	Each
904	Smooth	9	2	3¾	\$5.80
904½	Smooth	10	2¾	4¾	6.25

*Packed one in a box.*



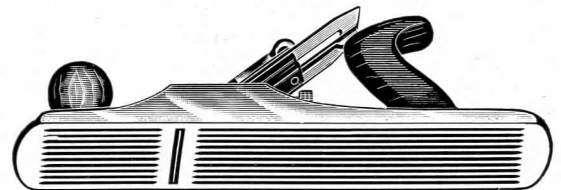
No.	Pattern	Length, ins.	Width of cutter	Wgt., each lbs.	Each
904C	Smooth	9	2	3¾	\$6.00
904½C	Smooth	10	2¾	4¾	6.50

*Packed one in a box.*



No.	Pattern	Length, ins.	Width of cutter	Wgt., each lbs.	Each
905	Jack	14	2	4¾	\$6.75

*Packed one in a box.*



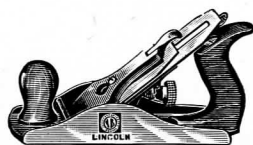
No.	Pattern	Length, ins.	Width of cutter	Wgt., each lbs.	Each
905C	Jack	14	2	4¾	\$6.95

*Packed one in a box.*

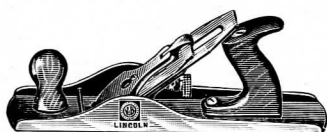


## Lincoln Cast Planes

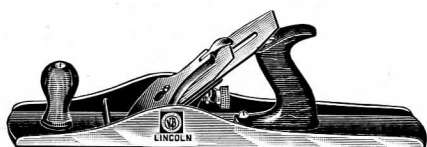
### Smooth Bottoms



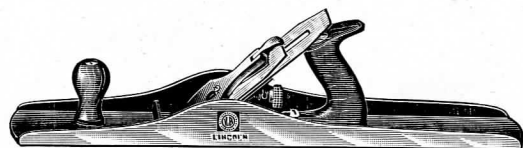
No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
803	Smooth	8	1 3/4	3 1/8	\$4.25
804	Smooth	9	2	3 3/4	4.65



No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
805	Jack	14	2	4 3/4	\$5.30



No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
806	Fore	18	2 3/8	7 3/4	\$6.80

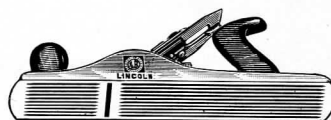


No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
807	Jointer	22	2 3/8	8 1/8	\$7.80
808	Jointer	24	2 5/8	9 3/4	9.30

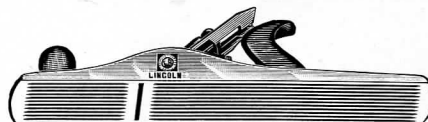
### Corrugated Bottoms



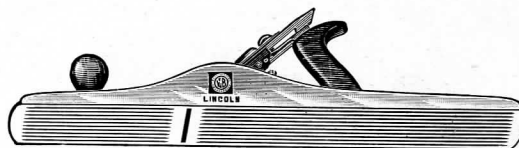
No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
803C	Smooth	8	1 3/4	3 1/8	\$4.45
804C	Smooth	9	2	3 3/4	4.85



No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
805C	Jack	14	2	4 3/4	\$5.50



No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
806C	Fore	18	2 3/8	7 3/4	\$7.00



No.	Pattern	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
807C	Jointer	22	2 3/8	8 1/8	\$8.20
808C	Jointer	24	2 5/8	9 3/4	9.75

Packed one in a box.

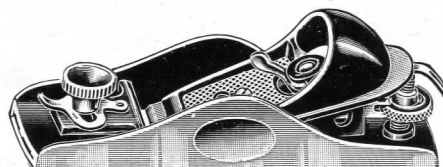
## V & B Block Planes

### Adjustable Throat

Japanned



No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
509 1/2	6	1 5/8	1 1/2	\$2.45



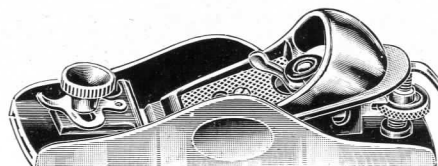
No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
515	7	1 5/8	1 5/8	\$2.75

### Adjustable Throat

Nickel Trimmed



No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
516	6	1 5/8	1 1/2	\$2.80



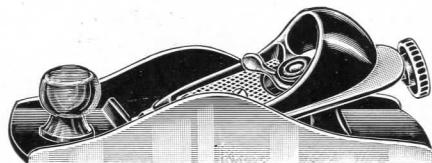
No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
517	7	1 5/8	1 5/8	\$3.10

### Adjustable Screw

Japanned



No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
503	5 1/2	1 3/8	1 1/8	\$1.60



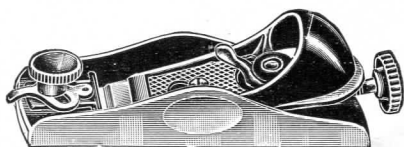
No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
520	7	1 5/8	1 1/2	\$1.85

*Packed one in a box.*

## V & B Block Planes

### Low Angle Adjustable Throat

Japanned



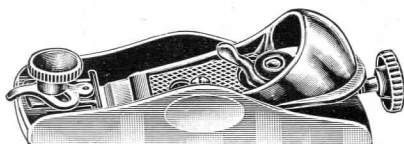
No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
560 1/2	6	1 3/8	1 1/4	\$2.60



## Braces

material, design and construction a commanding position as an preceding patterns of this tool. are manufacturers with years or hardware dealers to sell and ce. Two strong points mark their service.

Low Angle Adjustable  
Nickel



No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
560	6	1 3/8	1 1/4	\$2.85



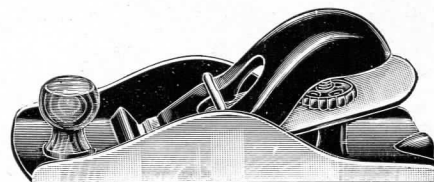
No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
565	7	1 5/8	1 3/8	\$3.00

## Non-Adjustable

Japanned



No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
502	5 1/2	1 3/8	7/8	\$0.90



No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
510	7	1 5/8	1 3/8	\$1.25

Packed one in a box.

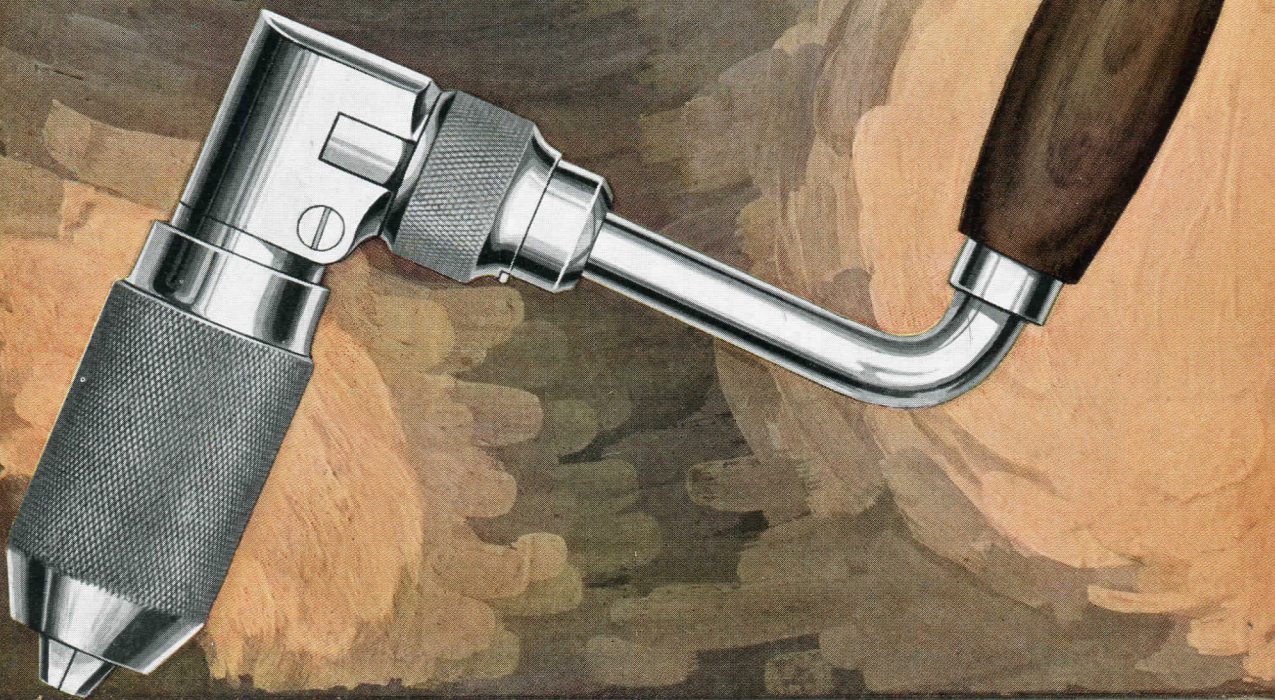


# V&B Braces



No.	Length, ins.	Width of cutter	Wgt., each, lbs.	Each
509½	6	1⅝	1½	\$2.45

Adjustable  
Nickel







## V & B Braces

**D**ISTINCTIVE advances in material, design and construction place V & B Braces in a commanding position as an improvement over all preceding patterns of this tool. These braces are made by hardware manufacturers with years of experience behind them, made for hardware dealers to sell and for discriminating mechanics to use. Two strong points mark their superiority—their construction and their service.

Possibly the most frequent source of annoyance with other braces is the method of attaching the socket to the socket frame. This is generally done by means of an end screw. In operating when ratcheting, this screw is in constant friction with the socket frame and almost invariably causes trouble by working loose.

In all numbers of V & B Braces, this construction is replaced by a patented key, which holds the socket firmly in place. This does not revolve, but has a double bearing in the socket frame and cannot work loose. The only pressure to which this key is subject is the slight pressure when removing a drill from a hole after boring.

Another feature of V & B Braces is the jaws. These are drop forged from Vanadium Steel. The milling is longitudinal, which gives a long gripping surface, and they will firmly hold all patterns of bits.

Hardware dealers and their clerks in selling, and mechanics in purchasing braces should keep in mind these facts regarding V & B Braces, and in conjunction with the tool itself, will comprehend the claim that a better brace cannot be bought.

## V & B Ratchet Braces

PATENTED JUNE 16, 1914

Improved Patented Key Construction—Non-Binding Handles  
Alloy Steel Jaws

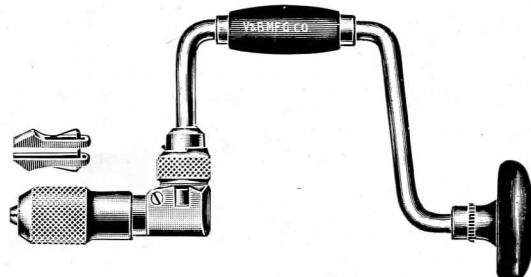


**Number 444**

Concealed Ratchet—Key Construction.  
Nickel Plated—Cocobolo Handles.  
Ball-Bearing Chuck.  
Ball-Bearing Head—Non-Binding Handle.  
Jaws will hold all patterns of bits up to and including  $\frac{1}{2}$  inch.

No.	Sweep, ins.	Weight, lbs., per doz.	Each
444	8	34	\$6.75
	10	37	7.00
	12	40	7.25
	14	43	7.50

*Packed two in a box.*

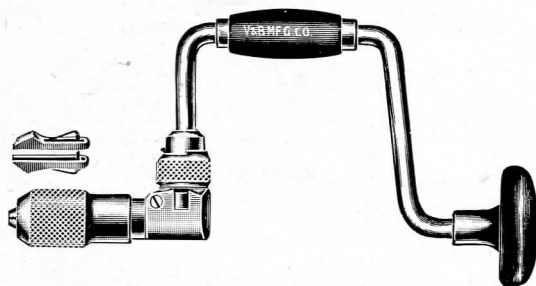


**Number 222**

Box Ratchet—Key Construction.  
Nickel Plated—Walnut Handles.  
Ball-Bearing Head—Non-Binding Handle.  
Barber Pattern Chuck.  
Jaws will hold all patterns of bits up to and including  $\frac{1}{2}$  inch.

No.	Sweep, ins.	Weight, lbs., per doz.	Each
222	8	33	\$4.75
	10	36	5.00
	12	39	5.25
	14	42	5.50
	16	46	5.75

*Packed four in a box.*

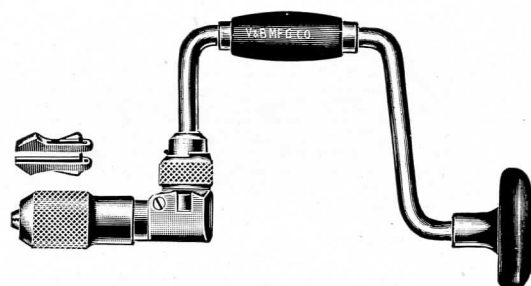


**Number 111**

Box Ratchet—Key Construction.  
Nickel Plated—Walnut Stained Handles.  
Barber Pattern Chuck.  
Jaws will hold all patterns of bits up to and including  $\frac{1}{2}$  inch.

No.	Sweep, ins.	Weight, lbs., per doz.	Each
111	8	32	\$4.40
	10	34	4.50
	12	36	4.75

*Packed four in a box.*



**Number 11**

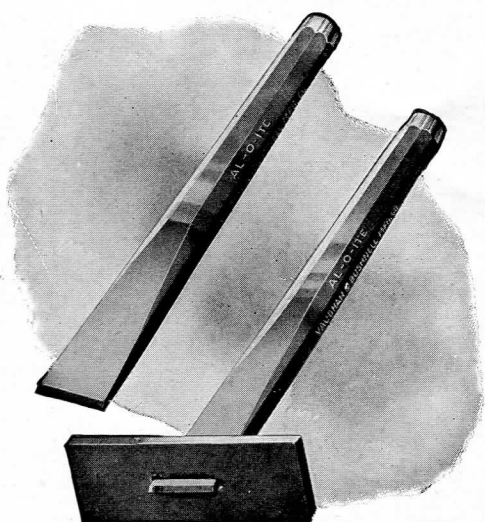
Box Ratchet—Key Construction.  
Polished—Walnut Stained Handles.  
Barber Pattern Chuck.  
Jaws will hold all patterns of bits up to and including  $\frac{1}{2}$  inch.

No.	Sweep, ins.	Weight, lbs., per doz.	Each
11	6	30	\$3.40
	8	32	3.40
	10	34	3.50
	12	36	3.75
	14	39	4.00

*Packed four in a box.*

## V & B Cold Chisels

All V. & B. Cold Chisels are individually tested. We are very careful in the manufacture of this line and will replace any Chisels that prove defective. Our Chisels are sold by the size of steel, but the cut runs one size larger in each case.



### No. 25

#### AL-O-ITE Cold Chisels

AL-O-ITE Cold Chisels are made of Extra Refined Alloy Steel.

Every AL-O-ITE Chisel is individually tempered and tested. We especially recommend this Chisel for hard work. AL-O-ITE Chisels are polished and Gun Metaled all over, making a very attractive tool.

Diam. of Steel, ins.	Size of Cut	Length, ins.	Wgt., lbs. per doz.	Each
1/4	5/16	5	1	\$0.35
5/16	3/8	5 1/4	1 1/2	0.35
3/8	7/16	5 1/2	2 1/4	0.35
7/16	1/2	6	3 1/2	0.40
1/2	5/8	6	4	0.40
5/8	3/4	7	7	0.50
3/4	7/8	7 1/2	11	0.70
7/8	1	8	15	0.85
1	1 1/8	8 1/2	20	1.00

1/4 to 3/8, packed twelve in a box, 7/16 and larger, six.



### No. 45

#### Extra Refined Steel. Regular Taper

No. 45. Extra Refined Octagon Steel. Polished and Gun Metaled Head and Taper. Natural Finish Body. This Chisel is the Standard Pattern, first quality.

Diam. of Steel, ins.	Size of Cut	Length, ins.	Wgt., lbs. per doz.	Each
1/4	5/16	5	1	\$0.25
5/16	3/8	5 1/4	1 1/2	0.25
3/8	7/16	5 1/2	2 1/4	0.25
7/16	1/2	6	3 1/2	0.30
1/2	5/8	6	4	0.30
5/8	3/4	10	6 1/2	0.40
3/4	7/8	7	7	0.40
7/8	1	12	14	0.50
1	1 1/8	7 1/2	11	0.50
		12	18	0.70
		8	15	0.70
		8 1/2	20	0.80

1/4 to 3/8, packed twelve in a box, 7/16 and larger, six.



### No. 40

#### Standard Grade—Regular Taper Hexagon Steel, Natural Finish

Diam. of Steel, ins.	Size of Cut	Length, ins.	Wgt., lbs. per doz.	Each
1/4	5/16	5	1	\$0.15
5/16	3/8	5 1/4	1 1/2	0.15
3/8	7/16	5 1/2	2 1/4	0.15
7/16	1/2	6	3 1/2	0.20
1/2	5/8	6	4	0.20
5/8	3/4	7	7	0.25
3/4	7/8	7 1/2	11	0.35
1	1 1/8	8 1/2	20	0.45

1/4 to 3/8, packed twelve in a box, 7/16 and larger, six.



### Long Brick Chisel

#### Forged Steel, Black Body Oil Tempered

For digging through Brick Walls.

No.	Length, ins.	Diam. of Steel, ins.	Wgt., lbs. per doz.	Each
12	12	1/2	9	\$0.30
16	16	5/8	17	0.50
18	18	3/4	28 1/2	0.75

Packed six in a paper package.

# V & B Chisels

V. & B. Cape, Diamond Point and Round Nose Chisels are made of high grade steel and are individually tested. Any chisel that proves defective will be replaced.



## Cape Chisels

### Heavy Pattern

No. 50. Forged from Extra Refined Octagon Steel. Polished Points, Black Finish Body. When ordering specify size of Cutting Edge and Number of Chisel desired.

Cut- ting Edge	Diam. of Steel, inches	Length inches	Wgt., lbs. per doz.	Each
$\frac{3}{16}$	$\frac{1}{2}$	6	3 $\frac{1}{4}$	\$0.30
$\frac{1}{4}$	$\frac{5}{8}$	7	6	0.35
$\frac{5}{16}$	$\frac{5}{8}$	7	6 $\frac{1}{4}$	0.35
$\frac{3}{8}$	$\frac{5}{8}$	7	6 $\frac{1}{4}$	0.35
$\frac{1}{2}$	$\frac{3}{4}$	7 $\frac{1}{2}$	9 $\frac{1}{2}$	0.50
$\frac{5}{8}$	$\frac{3}{4}$	7 $\frac{1}{2}$	9 $\frac{1}{2}$	0.50
$\frac{3}{4}$	$\frac{7}{8}$	7 $\frac{1}{2}$	13 $\frac{3}{4}$	0.70

Packed six in a box.



## Cape Chisels

### Light Pattern

No. 25. Forged from Extra Refined Octagon Steel. Polished Points, Black Finish Body. This Chisel is especially adapted for fine work around dies, automobiles, etc. The steel is lighter than No. 50.

When ordering specify size of Cutting Edge and Number of Chisel desired.

Cut- ting Edge	Diam. of Steel, inches	Length inches	Wgt., lbs. per doz.	Each
$\frac{3}{16}$	$\frac{1}{4}$	5	1	\$0.25
$\frac{1}{4}$	$\frac{3}{8}$	5 $\frac{1}{2}$	2 $\frac{1}{4}$	0.25
$\frac{5}{16}$	$\frac{1}{2}$	6	4	0.25

Packed six in a box.



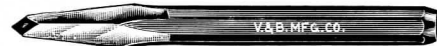
## Round Nose Chisels

### Heavy Pattern

No. 65. Forged from Extra Refined Octagon Steel. Polished Points, Black Finish Body. When ordering specify size of Point and Number of Chisel desired.

Point	Diam. of Steel, inches	Length inches	Wgt., lbs. per doz.	Each
$\frac{1}{4}$	$\frac{5}{8}$	6 $\frac{3}{4}$	5 $\frac{1}{4}$	\$0.30
$\frac{5}{16}$	$\frac{5}{8}$	7	6	0.30
$\frac{3}{8}$	$\frac{5}{8}$	7	6	0.30
$\frac{1}{2}$	$\frac{3}{4}$	7 $\frac{1}{4}$	9 $\frac{1}{2}$	0.50

Packed six in a box.



## Diamond Point Chisels

### Heavy Pattern

No. 55. Forged from Extra Refined Octagon Steel. Polished Points, Black Finish Body. When ordering specify size of Point and Number of Chisel desired.

Point	Diam. of Steel, inches	Length inches	Wgt., lbs. per doz.	Each
$\frac{1}{4}$	$\frac{5}{8}$	7 $\frac{1}{4}$	7	\$0.30
$\frac{5}{16}$	$\frac{5}{8}$	7 $\frac{1}{4}$	7	0.30
$\frac{3}{8}$	$\frac{5}{8}$	7 $\frac{1}{4}$	7 $\frac{1}{4}$	0.35
$\frac{1}{2}$	$\frac{3}{4}$	7 $\frac{1}{4}$	10 $\frac{1}{2}$	0.60

Packed six in a box.



## Diamond Point Chisels

### Light Pattern

No. 30. Forged from Extra Refined Octagon Steel. Polished Points, Black Finish Body. This Chisel is especially adapted for fine work around dies, automobiles, etc. The steel is lighter than No. 55.

When ordering specify size of Point and Number of Chisel desired.

Point	Diam. of Steel, inches	Length inches	Wgt., lbs. per doz.	Each
$\frac{3}{16}$	$\frac{5}{16}$	5	1 $\frac{1}{2}$	\$0.25
$\frac{1}{4}$	$\frac{3}{8}$	5 $\frac{1}{2}$	2 $\frac{1}{4}$	0.25
$\frac{5}{16}$	$\frac{1}{2}$	6	4	0.25

Packed six in a box.



## Round Nose Chisels

### Light Pattern

No. 35. Forged from Extra Refined Octagon Steel. Polished Points, Black Finish Body. When ordering specify size of Point and Number of Chisel desired.

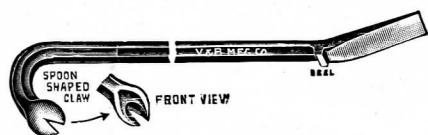
Point	Diam. of Steel, inches	Length inches	Wgt., lbs. per doz.	Each
$\frac{3}{16}$	$\frac{5}{16}$	5	1 $\frac{1}{2}$	\$0.25
$\frac{1}{4}$	$\frac{3}{8}$	5 $\frac{1}{2}$	2 $\frac{1}{4}$	0.25
$\frac{5}{16}$	$\frac{1}{2}$	6	4	0.25

Packed six in a box.



# V & B Carpenters' Wrecking Bars, Chisels

V. & B. Wrecking Bars are made with the same care as the balance of our line. Both ends are tempered individually and tested. They are neatly finished. Our Bars are full length. We do not include the curves in our measurements. We recommend our Red Bend Pattern.

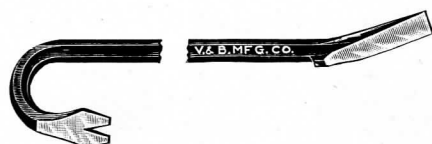


## Red Bend Pattern

The Gooseneck end of these Wrecking Bars is painted red, the balance black. A very neat Bar. Special attention is called to the Spoon-shaped Claw and the Heel on the Prying End.

No.	Length, ins.	Diam. of Oct. Steel, ins.	Wgt., lbs., per doz.	Each
324	24	$\frac{3}{4}$	42	\$1.00
330	30	$\frac{3}{4}$	51	1.25

Packed Loose.



## Gooseneck Pattern

Painted Black

No.	Length, ins.	Diam. of Oct. Steel, ins.	Wgt., lbs., per doz.	Each
24	24	$\frac{3}{4}$	42	\$0.90
30	30	$\frac{3}{4}$	51	1.00

Packed Loose.



## Light Gooseneck Pattern

Painted Black

No.	Length, ins.	Diam. of Oct. Steel, ins.	Wgt., lbs., per doz.	Each
12	12	$\frac{1}{2}$	9	\$0.50
18	18	$\frac{5}{8}$	22	0.75

Packed Loose.



Double Bevel

Single Bevel

## Bricklayers' Chisel

## Bricklayers' Set

Forged Steel, Black Finish Body, Polished Finish Head and Blade, Oil Tempered

Width of Blade, ins.	Diam. of Oct. Steel, ins.	Lgth. over all, ins.	Wgt., lbs., per doz.	Each
$3\frac{1}{2}$	$\frac{3}{4}$	$6\frac{3}{4}$	12	\$0.90
4	$\frac{3}{4}$	7	$13\frac{1}{2}$	0.95
$4\frac{1}{2}$	$\frac{3}{4}$	$7\frac{1}{4}$	15	1.00

Packed six in a box.



## Carpenters' Wrecking Chisel

Black Finish Body, 2-Inch Bit Oil Tempered

No.	Length, ins.	Diam. of Oct. Steel, ins.	Wgt., lbs., per doz.	Each
14	18	$\frac{3}{4}$	20	\$0.75

Packed Loose.



## Plumbers' Chisel

Forged Steel, Polished Blade, Black Finish Body, Oil Tempered

Cutting Edge	Diam. of Steel, ins.	Length over all, ins.	Wgt., lbs., per doz.	Each
$\frac{3}{4}$	$\frac{1}{2}$	10	6	\$1.00
1	$\frac{5}{8}$	11	$10\frac{1}{2}$	1.25
$1\frac{1}{4}$	$\frac{3}{4}$	$11\frac{1}{2}$	$15\frac{1}{2}$	1.50

Packed six in a box.

## V & B Machine Punches

V. & B. Machine Punches are made in Special Taper, and Regular Taper Designs. Furnished in Enamel Finish and Black Finish.



### Extra Quality Special Taper

Extra Refined Steel, Polished and Gun Metaled Taper and Head, Natural Finish Body

Made with Special Taper to allow clearance.

No.	Diam. of Point, ins.	Diam. of Steel, ins.	Length ins.	Wgt., lbs., per doz.	Each
11	$\frac{8}{32}$	$\frac{1}{2}$	6	2 $\frac{1}{4}$	\$0.25
12	$\frac{7}{32}$	$\frac{1}{2}$	6	2 $\frac{1}{4}$	0.25
13	$\frac{6}{32}$	$\frac{1}{2}$	6	2 $\frac{1}{4}$	0.25
14	$\frac{5}{32}$	$\frac{3}{8}$	6	2 $\frac{1}{4}$	0.25
15	$\frac{4}{32}$	$\frac{3}{8}$	6	2 $\frac{1}{4}$	0.25
16	$\frac{3}{32}$	$\frac{3}{8}$	6	2 $\frac{1}{4}$	0.25
80	$\frac{3}{16}$	$\frac{1}{2}$	8	4 $\frac{1}{2}$	0.30
90	$\frac{7}{32}$	$\frac{5}{8}$	9	7 $\frac{1}{2}$	0.40
100	$\frac{1}{4}$	$\frac{3}{4}$	10	12	0.50

Packed six in a box.



### 3-Inch Regular Taper

Polished Head and Taper Black Finish Body

No.	Diam. of Point, ins.	Diam. of Steel, ins.	Length ins.	Wgt., lbs., per doz.	Each
41	$\frac{8}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	\$0.25
42	$\frac{7}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.25
43	$\frac{6}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.25
44	$\frac{5}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.25
45	$\frac{4}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.25
46	$\frac{3}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.25
8	$\frac{5}{32}$	$\frac{1}{2}$	8	4 $\frac{1}{2}$	0.30
9	$\frac{3}{16}$	$\frac{5}{8}$	9	7 $\frac{1}{2}$	0.35
10	$\frac{1}{4}$	$\frac{3}{4}$	10	12	0.45

Packed six in a box.



### 3-Inch Regular Taper

Black Finish

No.	Diam. of Point, ins.	Diam. of Steel, ins.	Length ins.	Wgt., lbs., per doz.	Each
1	$\frac{8}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	\$0.20
2	$\frac{7}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.20
3	$\frac{6}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.20
4	$\frac{5}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.20
5	$\frac{4}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.20
6	$\frac{3}{32}$	$\frac{1}{2}$	6	3 $\frac{3}{4}$	0.20

Packed six in a box.

## V & B Punches

V. & B. Knurled Machine, Prick and Center Punches are offered as the best that can be produced in quality and appearance. The knurling is done on automatic machines and affords a firm gripping surface. The machine punches have the straight taper and will not bind when in use. Each tool individually heat treated and individually tested.



### Machine Punch

#### Straight Pattern

No.	Diam. of Point, ins.	Diam. of Steel, ins.	Length ins.	Wgt., lbs., per doz.	Each
60	$\frac{3}{32}$	$\frac{3}{8}$	6	2	\$0.35
61	$\frac{1}{8}$	$\frac{3}{8}$	6	2	0.35
62	$\frac{3}{16}$	$\frac{3}{8}$	6	2	0.35
63	$\frac{1}{4}$	$\frac{1}{2}$	6	2 $\frac{1}{4}$	0.35
64	$\frac{5}{16}$	$\frac{1}{2}$	6	2 $\frac{1}{4}$	0.35
65	$\frac{3}{8}$	$\frac{1}{2}$	6	2 $\frac{1}{4}$	0.35

Packed six in a box.



### Machine Punch

#### Straight Pattern

#### Extra Long

No.	Diam. of Point, ins.	Diam. of Steel, ins.	Length ins.	Wgt., lbs., per doz.	Each
66	$\frac{3}{16}$	$\frac{1}{2}$	9	4	\$0.50
67	$\frac{1}{4}$	$\frac{1}{2}$	9	4	0.50
68	$\frac{5}{16}$	$\frac{1}{2}$	9	4	0.50
69	$\frac{3}{8}$	$\frac{1}{2}$	9	4	0.50

Packed six in a box.



### Lining Up Punch

#### Tapered Pattern

No.	Diam. of Point, ins.	Diam. of Steel, ins.	Length ins.	Wgt., lbs., per doz.	Each
70	$\frac{3}{16}$	$\frac{1}{2}$	9	4 $\frac{1}{8}$	\$0.50

Packed six in a box.



### Prick Punches

#### Extra Quality Knurled Pattern

No.	Diam. of Steel, ins.	Length, ins.	Wgt., lbs., per doz.	Each
50	$\frac{3}{8}$	4	1 $\frac{1}{8}$	\$0.25
145	$\frac{1}{2}$	6	3	0.35

Packed twelve in a box.



### Center Punches

#### Extra Quality Knurled Pattern

No.	Diam. of Steel, ins.	Length, ins.	Wgt., lbs., per doz.	Each
50	$\frac{3}{8}$	4	1 $\frac{1}{8}$	\$0.25
145	$\frac{1}{2}$	6	3	0.35

Packed twelve in a box.

# V & B Belt Punches and Nail Sets

## Knurled Belt Punches

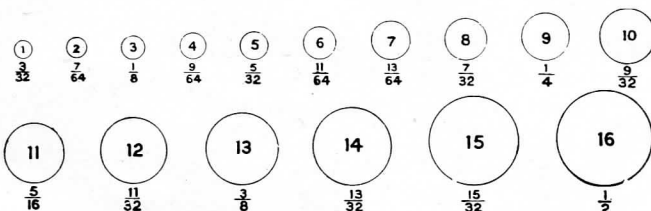


Polished Pipe and Head

All Knurled Punches are reamed out so that the wads will not stick. The Pipe is turned down smaller at the end and will release itself from any belting. This is the best designed Belt Punch on the market.

No.	Length ins.	Diam. of Steel, ins.	Wgt., lbs., per doz.	Each
101	3 7/8	5/16	1 1/8	\$0.30
102	3 7/8	5/16	1 1/8	0.30
103	3 7/8	5/16	1 1/8	0.30
104	3 7/8	3/8	1 1/2	0.35
105	3 7/8	3/8	1 1/2	0.35
106	4 1/8	7/16	2 1/4	0.40
107	4 1/8	7/16	2 1/4	0.40
108	4 1/8	1/2	3	0.45
109	4 1/8	1/2	3	0.45
110	4 3/8	9/16	4	0.50
111	4 3/8	9/16	4	0.50
112	4 3/8	9/16	4	0.50
113	4 3/8	5/8	5	0.65
114	4 3/8	5/8	5	0.65
116	5	3/4	6	0.85

Diagram showing Sizes of Belt Punches

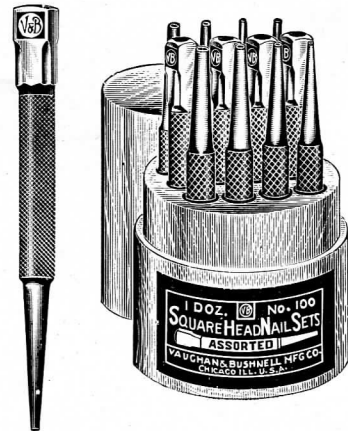


Packed twelve in a box.

## Square Head Nail Sets

Patented

Owing to the Square Head Design, these Nail Sets will not roll on uneven surfaces. All have Cup Points and are individually tested. Knurled and polished.



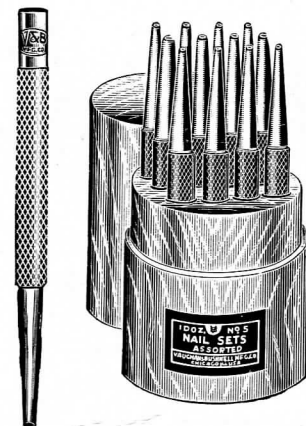
Points 1/32, 2/32, 3/32, 4/32, 5/32 inches.

No.	Diam. of Steel, ins.	Length, ins.	Wgt., ozs., per doz.	Each
100	3/8	4	16	\$0.25

Packed one dozen assorted in a cardboard box or Display Box.

If Display Boxes are desired, specify them when ordering. Single sizes furnished on special order.

## Round Pattern Nail Sets



Cup Pointed, Knurled and Polished, Individually Tested.

Points 1/32, 2/32, 3/32, 4/32, 5/32 inches.

No.	Diam. of Steel, ins.	Length, ins.	Wgt., ozs., per doz.	Each
5	3/32	4	14	\$0.15

Packed one dozen assorted in a cardboard box or Display Box.

If Display Boxes are desired, specify them when ordering. Single sizes furnished on special order.



## V & B Star Drills

### IT PAYS TO BUY A GOOD STAR DRILL

Star Drills receive severe usage and must be made right in order to give satisfactory service. V. & B. Star Drills are made of Octagon Tool Steel. They are **individually tempered** and **individually tested**.

Special attention is called to the countersink shaped Point which centers the drill and facilitates cutting. The long grooves allow clearance for the brick and cement.

V. & B. Star Drills will not bend. The four sides of the cutters are ground true.



Cutters Filed



Showing Countersunk Point and Long Grooves

### Forged Steel—Oil Tempered—Black Enameled Body

Order by Face and Lengths.

Lengths 12 and 18 inches. 12-inch made in sizes  $\frac{1}{4}$  to  $1\frac{1}{4}$  inches.

18-inch made in sizes  $\frac{1}{4}$  to  $1\frac{1}{2}$  inches.

Diam. of face	Expansion Bolt used	Wgt., lbs. per doz. 12"	Wgt., lbs. per doz. 18"	Each 12"	Each 18"
$\frac{1}{4}$		2 $\frac{1}{4}$	3 $\frac{1}{4}$	\$0.35	\$0.45
$\frac{5}{16}$		3 $\frac{1}{4}$	4 $\frac{3}{4}$	0.35	0.45
$\frac{3}{8}$		3 $\frac{1}{4}$	4 $\frac{3}{4}$	0.35	0.50
$\frac{7}{16}$		4 $\frac{1}{4}$	6 $\frac{3}{4}$	0.45	0.55
$\frac{1}{2}$	$\frac{1}{4}$	4 $\frac{1}{2}$	7	0.45	0.55
$\frac{9}{16}$	$\frac{5}{16}$	7 $\frac{1}{2}$	11 $\frac{1}{2}$	0.55	0.65
$\frac{5}{8}$	$\frac{3}{8}$	8	12	0.55	0.65
$\frac{3}{4}$	$\frac{1}{2}$	12	19	0.65	0.75
$\frac{7}{8}$	$\frac{5}{8}$	17	27	0.80	0.90
1		23	36	0.90	1.10
$1\frac{1}{8}$	$\frac{3}{4}$		37		1.35
$1\frac{1}{4}$			38		1.60

12, 18-inch sizes  $\frac{1}{4}$  to  $\frac{3}{4}$  packed twelve in a box.

12, 18-inch sizes  $\frac{7}{8}$  to 1 packed six in a box.

18-inch sizes  $1\frac{1}{8}$  and  $1\frac{1}{4}$  packed six in a box.

## V & B Pliers

NOTE—The V. & B. Nut Plier is properly designed for use on Nuts and Bolts. Unlike the ordinary plier they will not chew up the edge of the nut, but have a firm solid grip the entire side of the nut. This tool is especially designed for use by auto mechanics on the lead nuts used on Storage Batteries. Every service man needs one.  
Wire Cutter between the jaws. Screw Driver on one handle.

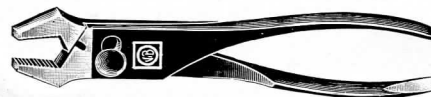


### Solid Joint Nut Pliers

Black Enameled Handles  
Polished Jaws

No.	Length, ins.	Holds Nuts outside	Wgt., lbs., per doz.	Each
3	6	$\frac{1}{8}$ to $\frac{5}{8}$	4 $\frac{1}{2}$	\$0.85

Packed six in a box.



### Slip Joint Nut Pliers

Black Enameled Handles  
Polished Jaws

No.	Length, ins.	Holds Nuts outside	Wgt., lbs., per doz.	Each
25	7	$\frac{1}{8}$ to 1	7 $\frac{1}{2}$	\$1.00

Packed six in a box.



### Gas Pliers

Polished Jaws

No.	Length, ins.	Hold gas pipe, ins.	Wgt., lbs., per doz.	Each
7	7	1 to $\frac{1}{2}$	5 $\frac{1}{2}$	\$0.70
8	8	1 $\frac{1}{4}$ to $\frac{3}{4}$	8	0.75
10	10	1 $\frac{1}{2}$ to $\frac{3}{4}$	12	0.85
12	12	1 $\frac{3}{4}$ to $\frac{3}{4}$	19 $\frac{1}{2}$	0.95

Packed six in a box.



### Burner Pliers

Polished Jaws

No.	Length, ins.	Hold gas pipe, ins.	Wgt., lbs., per doz.	Each
6	6	$\frac{3}{4}$	5	\$0.65

Packed six in a box.



### Double Duty Pliers

Polished Jaws

A good plier at a popular price. Lap joint, gas plier jaw, two cutters. Long jaws and wide handles.

No.	Length, ins.	Wgt., lbs., per doz.	Each
106	6	4 $\frac{3}{4}$	\$0.65
108	8	9	0.80
110	10	13	1.00

Packed six in a box.



### Button's Pattern Pliers

These pliers are so constructed that the handles will not spread more than the ordinary hand grip when cutting.

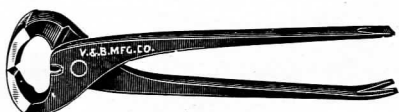
No.	Length, ins.	Wgt., lbs., per doz.	Each
4 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$	\$0.70
6	6	5	0.80
8	8	9	1.00
10	10	13	1.15

Packed six in a box.

## V & B Pincers and Nippers

Extra Refined Steel—Drop Forged—Tempered and Tested

On all Pincers and Nippers with black painted handles, the scale is thoroughly removed leaving a smooth surface to which the paint is applied. There is nothing better in quality or finish. All have filed jaws.



### Carpenters' Pincers

With Wire Cutter

Nos. 6 to 12 Series have wire cutter, flat handles, claw and screw driver. Polished jaws, ebony finished handles.

No.	Length, ins.	Wgt., lbs., per doz.	Each
6	6	5½	\$0.60
7	7	8	0.75
8	8	10	0.80
10	10	15	1.00
12	12	18	1.20

Packed six in a box.



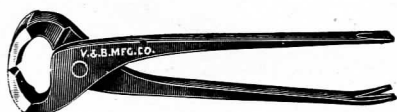
### Farriers' Pincers

Polished Jaws

Black Painted Handles

No.	Length, ins.	Wgt., lbs., per doz.	Each
13	13	31½	\$2.00
14	14	32½	2.25

Packed six in a box.



### Carpenters' Pincers

Without Cutter

Nos. 206 to 212 have polished jaws and natural finish handles. Claw and screw driver handles.

No.	Length, ins.	Wgt., lbs., per doz.	Each
206	6	5	\$0.50
207	7	7½	0.65
208	8	9½	0.70
210	10	14	0.90
212	12	17	1.00

Packed six in a box.



### Farriers' Nail Cutting Nippers

Full Polished

No.	Length, ins.	Wgt., lbs., per doz.	Each
20	12	26	\$2.50
22	14	28½	3.00

Packed six in a box.



### Blacksmiths' Pincers

Polished Jaws

Black Painted Handles

No.	Length, ins.	Wgt., lbs., per doz.	Each
10	10	17	\$1.00
12	12	21	1.10
14	14	24	1.25

Packed six in a box.



### Nail Cutting Nippers

Polished Jaws

Black Painted Handles

No.	Length, ins.	Wgt., lbs., per doz.	Each
30	12	21	\$1.35
32	14	23½	1.50

Packed six in a box.

# Hoof Parers, Staple Pullers, Wrenches and Crate Openers

Extra Refined Steel—Drop Forged—Tempered and Tested.



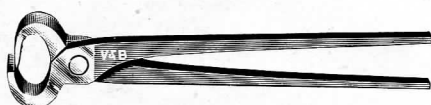
## Double Duty Cutting Nipper

Polished Jaws  
Black Painted Handles

The jaws on this nipper are so designed that the maximum amount of leverage is obtained.

No.	Length, ins.	Wgt., lbs., per doz.	Each
64	14	24	\$2.00

Packed six in a box.

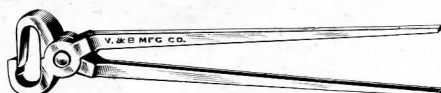


## Hoof Parers

Polished Jaws  
Black Painted Handles, Lap Joint

No.	Length, ins.	Wgt., lbs., per doz.	Each
212	12	23	\$2.00
214	14	25	2.50

Packed six in a box.



## Hoof Parers

Full Polished  
Counterbored Joint

No.	Length, ins.	Wgt., lbs., per doz.	Each
220	12	25	\$2.50
222	14	26	3.00

Packed six in a box.



## Clinch Tong

Full Polished

No.	Length, ins.	Wgt., lbs., per doz.	Each
14	14	22½	\$3.00

Packed six in a box.



## Staple Puller

Polished Jaws  
Ebony Finished Handles

This tool has a longitudinal groove in the top which allows clearance for wire when pulling staples.

No.	Length, ins.	Wgt., lbs., per doz.	Each
200	10½	24	\$2.25

Packed four in a box



## Self-Adjusting Grip Wrench

Black Finish

Works on Pipe, Hexagon and Square Nuts.

No.	Hold Pipe, ins.	Length, ins.	Wgt., lbs., each.	Each
10	⅛ to 1	10	1¼	\$1.25
14	¼ to 1½	14	2½	1.75
18	⅜ to 2	18	4½	2.50
24	½ to 2½	24	7	4.00

### Extra Parts for V. & B. Grip Wrenches

No.	Extra Jaws and Rivets, Each	Extra Handles, Each
10	\$0.60	\$1.25
14	0.75	1.50
18	1.00	2.00
24	1.50	3.00

Nos. 10 and 14 packed six in a box.  
Nos. 18 and 24 packed loose.



## Crate Opener

No.	Finish	Lgth. of head ins.	Lgth. over all ins.	Wgt., lbs., per doz.	Each
13	Full Polished	2¾	9	12¼	\$1.25
14	Nickel Plated	2¾	9	12¼	1.50
15	Black	2¾	9	12¼	1.00

Packed six in a box.



# V & B Bits and Rivet Sets

Extra Refined Steel—Drop Forged—Oil Tempered

Special attention is called to our Numbers 30 and 1 Screw Driver Bits. The Number 30 is heavy and is made in assorted sizes. The Number 1 is a good pattern at a popular price.

## Screw Drivers



No. 30. Designed for Heavy Work.  
Bits  $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$  inch wide.

No.	Length over all, ins.	Wgt., lbs., per doz.	Each
30	4½ to 5	1½	\$0.50

Packed twelve assorted in a box. One size furnished also if desired.



No. 1. Bits  $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$  inch wide.

No.	Length over all, ins.	Wgt., lbs., per doz.	Each
1	4½	1½	\$0.25

Packed twelve assorted in a box. One size furnished also if desired.

## Countersink Bits



No. 13. Flat Pattern.  
Designed for use on Iron.

No.	Countersinks holes up to, ins.	Length over all, ins.	Wgt., lbs., per doz.	Each
13	$\frac{3}{4}$	4½	1¾	\$0.40

Packed six in a box.



No. 14. Rose Pattern. Designed for use on Brass.

No.	Countersinks holes up to, ins.	Length over all, ins.	Wgt., lbs., per doz.	Each
14	$\frac{3}{4}$	4½	1½	\$0.40

Packed six in a box.



No. 15. Snail Pattern. Designed for use on Wood.

No.	Countersinks holes up to, ins.	Length over all, ins.	Wgt., lbs., per doz.	Each
15	$\frac{3}{4}$	4½	1½	\$0.50

Packed six in a box.

Our Reamers have a round shank next to the Taper, which is the most approved pattern. The four sides of the Number 80 Reamer are hollow ground, thereby giving clearance to the cutting edges. Both are polished finish.

## Reamer Bits



No. 80. Square Pattern

No.	Reams holes up to, ins.	Length over all, ins.	Wgt., lbs., per doz.	Each
80	$\frac{5}{8}$	6	2	\$0.50

Packed six in a box.



No. 100. Octagon Pattern.

No.	Reams holes up to, ins.	Length over all, ins.	Wgt., lbs., per doz.	Each
100	$\frac{9}{16}$	6	2	\$0.50

Packed six in a box.

## Rivet Sets



Tinnern's Pattern.

No.	For Iron Rivets, lbs.	For Copper Rivets, Nos.	Length ins.	Wgt., lbs. per doz.	Each
00	14	..	5½	10½	\$0.85
0	12 & 10	5	5½	10½	0.85
1	8	6	5	7	0.75
2	6	7	5	7	0.75
3	5 & 4	8	4½	5	0.55
4	3 & 2½	9	4½	5	0.55
5	2 & 1¾	10 & 11	4¼	3½	0.50
6	1½	12	4¼	3½	0.50
7	1¼	13	4¼	3	0.35
8	12 & 10 ozs.	14	4¼	3	0.35

Packed six in a box.



Farmers' Pattern

No.	For Copper Rivets	Length, ins.	Wgt., lbs., per doz.	Each
7	7	5	5	\$0.25
8	8	5	5	0.25
9	9	5	5	0.25
10	10 & 11	5	5	0.25

Packed six in a box.

## V & B Scrapers



### Hog Scraper

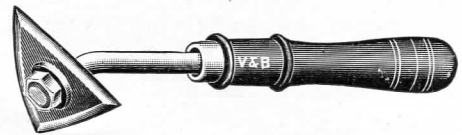
Edges Ground

Natural Finish Blades

No. 6 Scraper is used by all the large packing houses. The Blade is secured by bolt through handle. Black Finish Hardwood Handles.

No.	Sheet gauge	Steel Diam. of Blade, ins.	Diam. of handle, ins.	Lgth. of handle, ins.	Lgth. over all, ins.	Wgt., lbs. per doz.	Each
6	18	4½	5½	6¾	7		\$0.30

Packed six in a box.



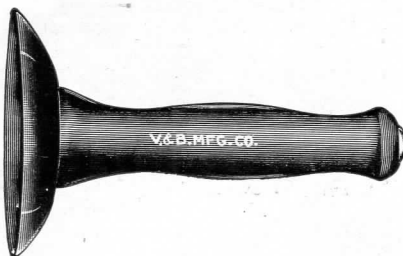
### Box Scraper

No. 6 Box. Triangular Blade of Extra Warranted Steel with Polished Finish Bevels. Heavy Steel Ferrule. Shank extends half way through handle and is secured by rivet passing through handle and shank. Blade is held in place by nut screwed on end of shank. Rosewood Finish Handle.

No.	Width of Cut. edge, ins.	Lgth. of Handle, ins.	Lgth. over all, ins.	Wgt., lbs., per doz.	Each
6	2¾	7½	12	8½	\$1.00

Extra Blades, Each \$0.40

Packed six in a box.



### Hog Scraper

Natural Finish Hardwood Handles

No. 8 Scraper is designed for farmers' use.

No.	Sheet gauge	Steel Diam. of Blade, ins.	Diam. of handle, ins.	Lgth. of handle, ins.	Lgth. over all, ins.	Wgt., lbs. per doz.	Each
8	20	4	5½	6½	5½		\$0.20

Packed six in a box.



### Ship Scraper

No. 8 Ship. Triangular Blade of Extra Warranted Steel with Polished Finish Bevels. Malleable Iron Ferrule. Blade is held in place by heavy machine bolt screwed into top of Ferrule. Natural Maple French Polish Handle.

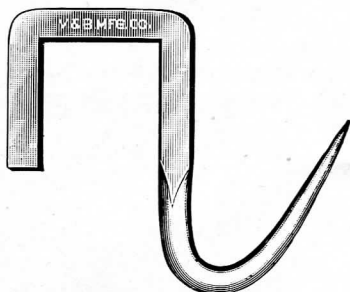
No.	Width of Cut. edge, ins.	Lgth. of Handle, ins.	Lgth. over all, ins.	Wgt., lbs., per doz.	Each
8	5	13½	17	19	\$1.25

Extra Blades, Each \$0.50

Packed twelve blades in a box; handles loose.

## V & B Butchers' Goods

Our Meat Hooks are forged from Solid Steel. The points are hand forged.  
They are heavily tinned.



### Bar Hook

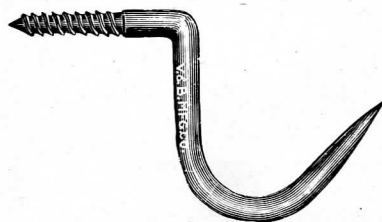
Solid Steel, Forged Points  
Tinned Finish

NOTE—Hooks to fit 2-inch Bar will be furnished unless otherwise specified.

No. 24, made from  $\frac{1}{8}$ -inch Square Steel.  
No. 26, made from  $\frac{3}{8}$ -inch Square Steel.  
No. 22, made from  $\frac{1}{4}$ -inch Square Steel.  
No. 28, made from  $\frac{1}{2}$ -inch Square Steel.  
No. 30, made of  $\frac{1}{2}$ -inch Steel,  $\frac{1}{8}$ -inch wide.

No.	To fit Bar, ins.	Length ins.	Hook Projects, ins.	Wgt., lbs., per doz.	Each
24	$\frac{1}{2}$	4	$2\frac{1}{2}$	$2\frac{1}{2}$	\$0.15
	1	4	$2\frac{1}{2}$	$2\frac{3}{4}$	0.15
	$1\frac{1}{2}$	4	$2\frac{1}{2}$	3	0.15
	$1\frac{3}{4}$	4	$2\frac{1}{2}$	$3\frac{1}{8}$	0.15
28	2	4	$2\frac{1}{2}$	$3\frac{1}{4}$	0.15
	2	5	$3\frac{1}{4}$	$9\frac{1}{2}$	0.30
	$\frac{1}{2}$	$4\frac{3}{4}$	$2\frac{3}{4}$	$5\frac{3}{4}$	0.25
22	$1\frac{3}{4}$	$4\frac{3}{4}$	$2\frac{3}{4}$	$6\frac{5}{8}$	0.25
	2	$4\frac{3}{4}$	$2\frac{3}{4}$	$6\frac{3}{4}$	0.25
26	2	4	$2\frac{1}{2}$	$4\frac{3}{8}$	0.20
30	$\frac{3}{8}$	$2\frac{1}{4}$	$1\frac{1}{2}$	1	0.10

Packed twelve in a box.

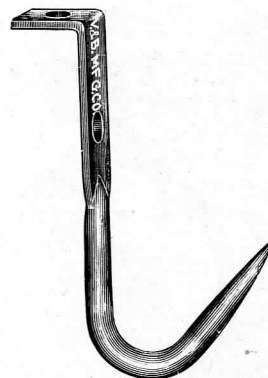


### Screw Meat Hook

Forged Points, Tinned Finish, Gimlet  
Pointed Threads

No.	Diam. of Steel, ins.	Length of Thread, ins.	Length of drop, over all	Hook Projects	Wgt., lbs., per gross	Each
2	$\frac{1}{4}$	$1\frac{5}{8}$	$2\frac{1}{4}$	2	10	\$0.06
3	$\frac{5}{16}$	$1\frac{7}{8}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$15\frac{3}{4}$	0.08

Packed one-half gross in a box.



### Quarter Hook

Solid Steel, Forged Points  
Tinned Finish

To Screw On

No.	Diam. of Steel, ins.	Length ins.	Width of Plate, ins.	Diam. of Screw Holes	Hook Projects	Wgt. lbs., per gross	Each
40	$\frac{1}{4}$	$3\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$	$1\frac{5}{8}$	10	\$0.10

Packed one-half gross in a box.

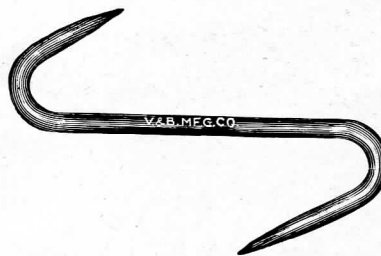


### Butchers' Block Pin

Tinned Finish

No.	Length over all, ins.	Diam. of Steel, ins.	Wgt., lbs., per doz.	Each
5	14	$\frac{3}{8}$	$5\frac{3}{4}$	\$0.40

Packed six in a paper package.



### Butchers' S Hook

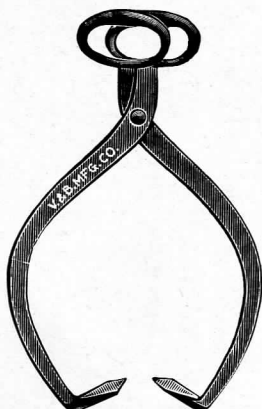
Solid Steel, Forged Points  
Tinned Finish

No.	Length over all, ins.	Hooks, Project, ins.	Diam. of Steel, ins.	Wgt., lbs., per doz.	Each
4	4	$1\frac{1}{4}$	$\frac{1}{4}$	$1\frac{1}{8}$	\$0.10
6	6	$2\frac{1}{4}$	$\frac{1}{8}$	$2\frac{1}{2}$	0.12
8	8	$2\frac{3}{4}$	$\frac{3}{8}$	$4\frac{1}{2}$	0.20

Nos. 4 and 6 packed three dozen in a box.  
No. 8 packed one dozen in a box.



## V & B Ice Tongs



### Ice Tongs

Our Ice Tongs have many features of distinct merit. Nos. 1, 2 and 3 are Drop Forged in one solid piece. There is no weld. They have Swell Handles and hardened Duck Bill Points. Painted red.

No.	Size	Span, ins.	Wgt., lbs., per doz.	Each
1	Family	15	45	\$2.00
2	Retailers	17	51	2.25
3	Loading	24	70	2.50

*Packed Loose.*



### Jack Frost

No. 6 is the popular Family Size, made of wrought steel. This Tong has Duck Bill Points and Non-binding Chain Handle. Painted black. A serviceable Tong at a popular price.

No.	Span, ins.	Wgt., lbs., per doz.	Each
6	15	30	\$1.00

*Packed Loose.*



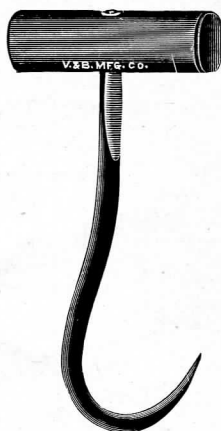
### Eskimo

No. 7 is a very serviceable Tong and is especially adapted for use about the household, in restaurants, delicatessen stores, milk depots.

No.	Span, ins.	Wgt., lbs., per doz.	Each
7	15	30	\$1.00

*Packed Loose.*

## V & B Hooks

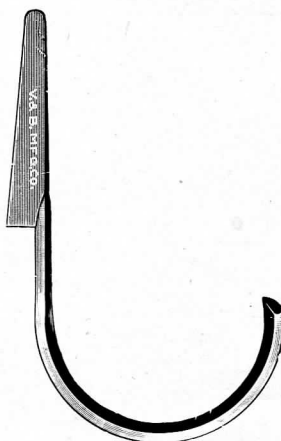


### Hay or Box Hook

Oval Hardwood Handle—Round Steel

No.	Diam. of Steel, ins.	Length, under Handle, ins.	Length of Handle, ins.	Weight, lbs., per doz.	Each
1	$\frac{7}{8}$	8	$5\frac{1}{4}$	$7\frac{3}{4}$	\$0.40

*Packed Loose*



### Conductor Pipe Hook

Solid Steel—Drop Forged—Tinned Finish

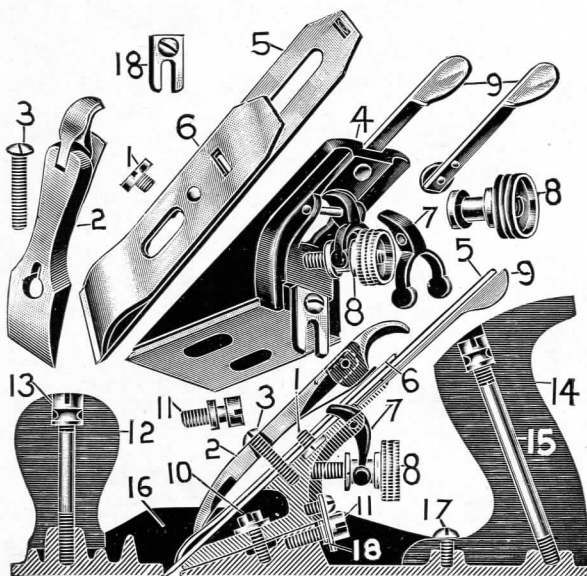
Our Conductor Hooks are forged in one piece, without weld. They are extra strong and properly proportioned.

No.	For Conductor Pipe, ins.	Length of Tong, ins.	Length over all, ins.	Weight, per 100 lbs.	Per 100
2	2	$2\frac{1}{2}$	$4\frac{1}{4}$	$11\frac{1}{2}$	\$ 6.00
3	3	3	6	22	7.50
4	4	4	8	$42\frac{1}{2}$	11.00
5	5	4	9	45	12.00
6	6	4	10	46	13.00

*Packed Loose*

## Prices of V & B Plane Parts

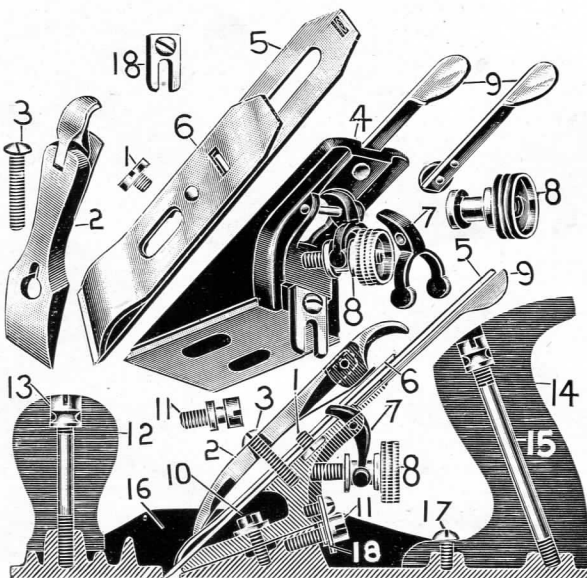
### Drop Forged Steel Planes



No.	Name of Part	No. of Plane	903 903C	904 904C	904½ 904½C	905 905C
1	Cap Screw		\$0.10	\$0.10	\$0.10	\$0.10
2	Lever Cap		.60	.60	.60	.60
3	Lever Cap Screw		.10	.10	.10	.10
4	Frog Complete		.85	.85	.85	.85
5	Blade		For prices of Single and Double Plane Blades see page 50			
6	Blade Cap					
7	Y Adjusting Lever		.10	.10	.10	.10
8	Adjusting Nut		.20	.20	.20	.20
9	Lateral Adjusting Lever		.20	.20	.20	.20
10	Frog Screw		.10	.10	.10	.10
11	Frog Adjusting Screw		.10	.10	.10	.10
12	Plane Knob		.30	.30	.30	.30
13	Knob Bolt and Nut		.20	.20	.20	.20
14	Plane Handle		.40	.40	.40	.40
15	Handle Bolt and Nut		.20	.20	.20	.20
16	Plane Bottom		2.85	2.85	3.35	3.35
17	Plane Handle Screw				.10	.10
18	Frog Adjusting Plate		.10	.10	.10	.10

Add 10 per cent for Corrugated Bottoms.

### Lincoln Cast Planes



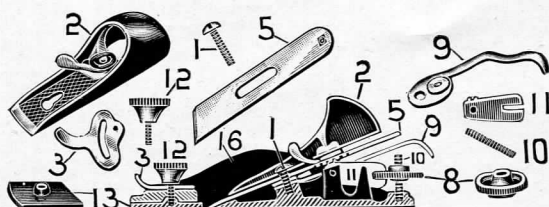
No.	Name of Part	No. of Plane	803 803C	804 804C	805 805C	806 806C	807 807C	808 808C
1	Cap Screw		\$0.10					
2	Lever Cap		.50					
3	Lever Cap Screw		.10					
4	Frog Complete		.85					
5	Blade		See Page 50 for all numbers					
6	Blade Cap							
7	Y Adjusting Lever		.10					
8	Adjusting Nut		.20					
9	Lateral Adjusting Lever		.20					
10	Frog Screw		.10					
11	Frog Adjusting Screw		.10					
12	Plane Knob		.30					
13	Knob Bolt and Nut		.20					
14	Plane Handle		.40					
15	Handle Bolt and Nut		.20					
16	Plane Bottom		2.00	2.00	2.40	3.30	4.70	5.70
17	Plane Handle Screw				.10	.10	.10	.10
18	Frog Adjusting Plate		.10	.10	.10	.10	.10	.10

Add 10 per cent for Corrugated Bottoms.



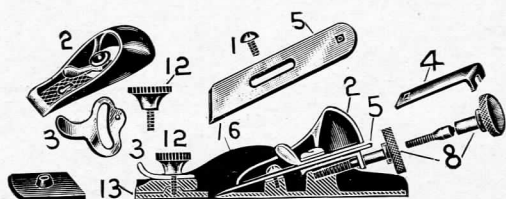
## Prices of V & B Plane Parts

### Block Planes



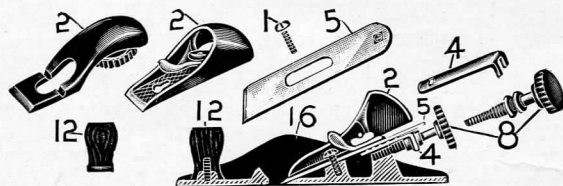
No.	Name of Part	No. of Plane	509½	515	516	517
1	Lever Cap Screw		\$0.10	\$0.10	\$0.10	\$0.10
2	Lever Cap		.20	.20	.30	.30
3	Eccentric Lever		.10	.10	.10	.10
5	Single Plane Blade		For prices see page 50			
8	Adjusting Nut		.20	.20	.20	.20
9	Lateral Adjusting Lever		.20	.20	.20	.20
10	Adjusting Nut Screw		.10	.10	.10	.10
11	Blade Adjusting Lever		.10	.10	.10	.10
12	Finger Rest Knob		.20	.20	.20	.20
13	Adjustable Throat Plate		.20	.20	.20	.20
16	Plane Bottom		1.40	1.50	1.40	1.50

### Block Planes



No.	Name of Part	No. of Plane	560	560½	565	565½
1	Lever Cap Screw		\$0.10	\$0.10	\$0.10	\$0.10
2	Lever Cap		.40	.30	.40	.30
3	Eccentric Lever		.10	.10	.10	.10
4	Blade Adjusting Block		.20	.20	.20	.20
5	Single Plane Blade		For prices see page 50			
8	Adjusting Nut		.20	.20	.20	.20
12	Finger Rest Knob		.20	.20	.20	.20
13	Adjustable Throat Plate		.20	.20	.20	.20
16	Plane Bottom		1.20	1.20	1.50	1.50

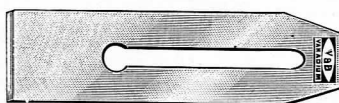
### Block Planes



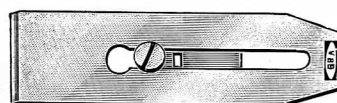
No.	Name of Part	No. of Plane	502	510	503	520
1	Lever Cap Screw				\$0.10	\$0.10
2	Lever Cap		\$0.20	\$0.20	.20	.20
4	Blade Adjusting Block				.20	.20
5	Single Plane Blade		For prices see page 50			
8	Adjusting Nut			.20	.20	.20
12	Plane Knob			.20	.30	.30
16	Plane Bottom		.40	.50	.50	.60

## Price List of Plane Cutters

**Special Analysis Vanadium All Steel Blade For Drop Forged  
Unbreakable Steel Planes**



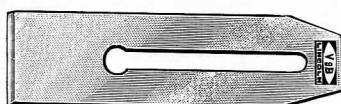
**Single**



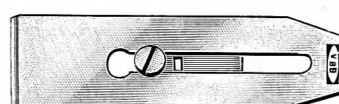
**Double**

Size		Plane Blades, Single, Each	Plane Blades, Double, Each	Plane Blade Caps, Each
1 3/4 In.	For Planes No. 903, 903C.....	\$0.65	\$1.00	\$0.35
2 In.	For Planes No. 904, 904C, 905, 905C.....	0.70	1.05	0.35
2 3/8 In.	For Planes No. 904 1/2, 904 1/2 C.....	0.85	1.30	0.45

### All Steel Blades for Lincoln Planes



**Single**



**Double**

Size		Plane Blades, Single, Each	Plane Blades, Double, Each	Plane Blade Caps, Each
1 3/4 In.	For Planes No. 803, 803C.....	\$0.55	\$0.90	\$0.35
2 In.	For Planes No. 804, 804C, 805, 805C.....	0.60	0.95	0.35
2 3/8 In.	For Planes No. 806, 806C, 807, 807C.....	0.75	1.20	0.45
2 5/8 In.	For Planes No. 808, 808C.....	0.80	1.30	0.50

### All Steel Blades for V & B Block Planes



**Adjustable**



**Non-Adjustable**

Size		Plane Blades Per Doz.
1 3/8 In.	Non-adjustable. For Plane No. 502.....	\$2.50
1 5/8 In.	Non-adjustable. For Plane No. 510.....	3.80
1 3/8 In.	Adjustable. For Planes No. 503, 560, 560 1/2.....	5.00
1 5/8 In.	Adjustable. For Planes No. 509 1/2, 515, 516, 517, 565, 565 1/2, 520.....	5.00

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